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# THE NATURALISTS' DIRECTORY.

CONTAINING

THE NAMES, ADDRESSES, SPECIAL DEPARTMENTS OF STUDY, ETC.,
OF AMATEUR AND PROFESSIONAL NATURALISTS,
CHEMISTS, PHYSICISTS, ASTRONOMERS, ETC., ETC.

DICE McLAREN.

COMPILED BY
SAMUEL E. CASSINO.

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# NOTICE.

In this edition of the Directory, all names which have been heard from since the last edition are followed by an (*). In the American portion of the Directory, names which are followed by an (?) have not replied to the blanks sent them for at least two years, and all such will be dropped from the next edition of the work, unless heard from in the meantime. Names which are not followed by an (*) or an (?) are, without doubt correct, but have failed to reply to the last blanks sent to their address.

For convenience, an index has been placed in the front of the book, and the list of abbreviations will be found immediately following the index.

The foreign portion of this edition of the Directory may be regarded more as an exchange list, as it contains only the names of parties who have responded to the letters sent them. The American portion of the book is believed to be more complete than any previous edition.

All changes of address should be reported to the editor at Boston, Mass., for future editions.



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# ABBREVIATIONS.

Acad., Academy.
Agric., Agriculture.
Ala., Alabama.
Am., American.
Anat., Anatomy.
Analyt., Analytical.
Anth., Anthropology.
Antiq., Antiquities.
Arach., Arachnida.
Arch., Archæology.
Ariz., Arizona.
Ark., Arkansas.
Ast., Astronomy.
Asst., Assistant.
Biol., Biology.
Bot., Botany.
Bryol., Bryology.
C., Collection.
Cal., California.
Carab., Carabidæ.
Carb., Carboniferous.
Ceramb., Cerambycidæ.
Chem., Chemistry.
Cicind., Cicindelidæ.
Cin., Cincinnati.
Colo., Colorado.
Coleopt., Coleoptera.
Coll., College.
Comp., Comparative.
Con., Conchology.
Conn., Connecticut.
Crypt., Cryptogamic.
Crystall., Crystallography.
Cur., Curator.
Cus., Custodian.
Dak., Dakota.
D. C., District of Columbia.
Del., Delaware.
Dept., Department.
Devon., Devonian.
Dipt., Diptera.
Dir., Director.
Dist., Distribution.
Econ., Economic.
Elect., Electricity.
Emb., Embryology.
Ent., Entomology.
Esp., Especially.
Eth., Ethnology.
Ethnog., Ethnography.
Ex., Exchange.
Fla., Florida.
Ga., Georgia.
Gen., General.
Geog., Geographical.
Geol., Geology.
Held., Helderberg.
Hemipt., Hemiptera.
Herpetol., Herpetology.
Histol., Histology.
Hort., Horticulture.
Hymenop., Hymenoptera.
Ia., Iowa.
Ichth., Ichthyology.
Ill., Illinois.
Ind., Indiana.
Invert., Invertebrates.
Inorg., Inorganic.
Inst., Institute.
Kan., Kansas.
Ky., Kentucky.
L., Lower.
La., Louisiana.
L. & F. W., Land and Fresh Water.
Lepid., Lepidoptera.
Lithol., Lithology.
M., Marine.
Mam., Mammalogy.
Mass., Massachusetts.
Math., Mathematics.
Md., Maryland.
Me., Maine.
Med., Medical.
Meteo., Meteorology.


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Met., Metallurgy.
Mic., Microscopy.
Mich., Michigan.
Min., Mineralogy.
Minn., Minnesota.
Miss., Mississippi.
Mo., Missouri.
Moll., Molluscs.
Mont., Montana.
Mus., Museum.
Nat. Hist., Natural History.
N. C., North Carolina.
Neb., Nebraska.
Neuropt., Neuroptera.
Nev., Nevada.
N. H., New Hampshire.
Niag., Niagara.
N. J., New Jersey.
N. M., New Mexico.
N. Y., New York.
O., Ohio.
Obs., Observatory.
Ool., Oology.
Ophthal., Ophthalmology.
Ore., Oregon.
Org., Organic.
Orn., Ornithology.
Orthopt., Orthoptera.
Osteol., Osteology.
Palæo., Palæontology.
Pathol., Pathological.
Penn., Pennsylvania.
Phæn., Phænogamic.
Philol., Philology.
Phil., Philosophy.
Photog., Photography.
Phys., Physics.
Piscol., Piscology.
Pres., President.
Prof., Professor.
R. I. Rhode Island.
S. C., South Carolina.
Sec., Secretary.
Sci., Science.
Sil., Silurian.
So., Southern.
Soc., Society.
Sp., Species.
Spec., Specimens or Specialty.
Strat., Stratigraphical.
Surv., Survey.
Syst., Systematic.
Tax., Taxidermy.
Tech., Technical, Technology.
Tenn., Tennessee.
Tex., Texas.
U., Upper.
Univ., University.
Va., Virginia.
Vasc., Vascular.
Veg., Vegetable.
Vert., Vertebrates.
Vt., Vermont.
Wis., Wisconsin.
W. T., Wyoming Territory.
W. Va., West Virginia.
Zool., Zoology.

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THE

# NATURALISTS' DIRECTORY.

## UNITED STATES AND CANADA.

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1752 Goodwin, E. M., Hartland, Vt. *Min., L. and F. W. Shells, Indian relics, curiosities, etc.* C. Ex.*

1753 Goodwin, F. M., Hartland, Vt. *Arch., Orn., Ool.* C. Ex.*

1754 Goodwin, W. L., D.Sc., F.C.S., Queen's Univ., Kingston, Ont., Can. *Chem.**

1755 Goodyear, W. H., New Haven, Ct. *Min.* C. Ex.?

1756 Goold, C. H., Morris, Ill. *Palæo.: Fossil flora of Mazon Creek, Grundy Co.* C. Ex.

1757 Gorden, Wm. J., 53 Water St., Cleveland, Ohio.

1758 Gordinier, Hermon C., M.D., 111 Fourth St., Troy, N. Y. *Phæn. Bot., Arch.* Ex.*

1759 Gordon, J. C. Prof. Nat. Coll. for the Deaf, Kendall Green, Washington, D. C. *Chem.**

1760 Gordon, T. Winslow, M.D., Georgetown, Brown Co., Ohio. *Chem., Mic., Meteo., Gen. Biol.**

1761 Gordon, W. E., Patchogue, Suffolk Co., N. Y. *Algæ, Local Arch., Con.* C.

1762 Gordon, Mrs. W. L., Chelmsford, Mass. *Geol., Min.* C. Ex.*

1763 Gore, J. Howard, Prof. Math. Columbian Univ., Washington, D. C. *Ceremonial Government and Geodesy.*

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1764 Gorton, L. G., Detroit, Mich. *Geol.*, *Mic.*, *Phys.*, *Physiol.* C. Ex. mic. slides.*
1765 Goss, B. F., Pewaukee, Waukesha Co., Wis. *Ool.* C. Ex. in sets.
1766 Goss, Col. N. S , Topeka, Shawnee Co., Kan. *Orn.* C.
1767 Gottschalk, Chas. F. A., 634 No. Salina St., Syracuse, N. Y. *Mic.*, *Bot.* C. Ex *
1768 Gould, George M., M.D., 119 South Seventeenth St., Philadelphia, Pa. *Psychology.**
1769 Gould, H. W., M.D., D.S., San Diego, Calif. *Palæo.*, *Invert.*, *Min.* C. Ex.*
1770 Gould, S. C., Manchester, N. H. *Gen. Sci.* Ex.*
1771 Gould, Vernon, M.D., Rochester, Fulton Co., Ind. *Geol.*, *Gen. Biol.* C. Ex *
1772 Grady, John H., Natick, Mass. *Orn.*, *Ool.*, *Min.*, *Coins*, *Curiosities*, *etc.* C. Ex. Will buy eggs and coins. Correspondents desired in all countries.*
1773 Graef, Edw. L., 40 Court St., Brooklyn, N. Y. *Lepid.* C. Ex.*
1774 Graf, L., Van Buren, Ark. *Geol.*, *Invert. Palæo.* C. Ex.
1775 Graham, C. W., Museum of Tax. and Curios , Lincoln Ave., Portsmouth, N. H. *Tax.*, *Orn.*, *Zool.*, *Curiosities and war relics wanted.* C.*
1776 Graham, R. O., Prof. Illinois Wesleyan Univ., Bloomington, Ill. *Chem.**
1777 Gramm, William, 233 E. 19th St., New York, N. Y. *Arch.**
1778 Grannis, Hial S., Plantsville, Ct. *Lepid.*, *Coleopt.* C. Ex. N. A. Coleopt *
1779 Grant, Henry, Beaver Hall, Montreal, Canada, Associate Astro. Meteor. Ass'n. *Ast.*, *Optics.**
1780 Grant, H. L., Prof. of Chem., 206 Moss Ave., Peoria, Ill.*
1781 Grant, J. M., Pt. Angeles, Washington. *Bot.*, *Hort.*, *Min.*, *Lith.*, *Zool.*, *Eth.*, *Orn.*, *Ent.*, *Molluscs.* C. Ex.
1782 Grant, Prof. Samuel S., 72 Beaver Hall, Montreal, Canada. *Bot.*, *Mosses*, *Fungi*, *Algæ*, *Diatoms*, *Min.*, *Metall.*, *Mic.*, *Photog.*, *Meteo.*, *Ast.*, *Arch.*, *Myol.* C.*
1783 Grant, Uly. S., 200 W. 19th St., Minneapolis, Minn. *Molluscs.* C. Ex.*
1784 Gratacap, L. P., Ph.B., M.A., Am. Mus. Nat. Hist., New York, N. Y. *Chem.*, *Min.**
1785 Graves, F. P., Doe Run, St. François Co., Mo., Supt. D. R. Lead Co. *Min.* C.*
1786 Graves, G. H., Kankakee, Ill. *Indian relics.*
1787 Gray, Arthur F., C.E., Lawrence, Mass. *Molluscs.* C. Desires exotic Land and F. W. Shells, esp. those of West Indies, Mexico, Central and So. Am.; also Pupadæ and Unionidæ from all sources. Ex. offered in Am. L. and F. W. shells *
1788 Gray, Elisha, Highland Park, Ill. *Electrician.**
1789 Gray, John R., Instructor in Pharmacognosy, Buffalo College of Pharmacy, Buffalo, N. Y. *Geol.*, *Bot.* C. to ex.*

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1790 Gray, Louis F., Boston Public Library, Boston, Mass. *Min.*?
1791 Gray, Mrs. Mary T., 339 Washington Ave., Kansas City, Kansas. *Con., Geol.* C. Ex.*
1792 Gray, Thomas, B.Sc., F.R.S.E., Prof. of Dynamic Engineering, Ross Polytechnic Inst., Terre Haute, Ind. *Physics.**
1793 Gray, Wm. M., M.D., Army Med. Mus., Washington, D. C. *Emb., Mycology, Pathol., Photog., Histol.* C. Ex.
1794 Greany, Wm. F., 827 Brannan St., San Francisco, Calif. *Orn., Ool., Tax.* C. Ex.*
1795 Greegor, Isaiah, 61 Laura St., Jacksonville, Fla. *Con.**
1796 Greely, Gen. A. W., U. S. Army, Signal Office, Washington, D. C. *Meteo.**
1797 Green, Prof., High School, Philadelphia, Pa. *Chem. and Nat. Sci.**
1798 Green, Caleb, A.M., M.D., Homer, Cortland Co., N. Y. *Bot., Mic., Gen. Biol.* C.*
1799 Green, D. N., First Vice President Lackawanna Inst. of History and Science, Scranton, Pa.*
1800 Green, Edgar M., A.M., M.D., 222 Spring Garden St., Easton, Pa. *Bot., Mic., Gen. Biol., Histol.**
1801 Green, H. A., Prof. Nat. Sci., Brainerd Inst., Chester, S. C. *Min., Chem., Bot.* Spec. *Ferns, Lichens, Mosses and Algæ.* Ex. botanical specimens, particularly lichens, mosses and algæ, Am. and foreign.*
1802 Green, J. B., Box 279, Des Moines, Ia. *Orn., Ool.* C. Ex.*
1803 Green, Dr. Jesse C., West Chester, Pa. *Met., Mic.* C. Ex.*
1804 Green, Milbrey, M.D., 567 Columbus Ave., Boston, Mass. *Phys., Mic., Meteo., Gen. Biol., Anth.**
1805 Green, Morris M., Dept. of Agric., Washington, D. C.*
1806 Green, N. Y., Battle Creek, Mich. *Orn., Tax.* C. Ex.*
1807 Green, Samuel A., M.D., Boston, Mass. *Arch.* C.
1808 Greene, Charles Augustus, M.D., 178 Tremont St., Boston, Mass. General C. Ex.*
1809 Greene, Prof. Edw. L., Berkeley, Calif. *Bot.* C.*
1810 Greene, Geo. K., New Albany, Floyd Co., Ind. *Palæo., Geol., Arch.* (Dealer.) C.*
1811 Greene, Thomas A., Milwaukee, Wis. *Min., Fossils from Niagara and Hamilton groups.**
1812 Greenleaf, R. C., 33 Summer St., Boston, Mass. *Diatoms, Mic.* C.
1813 Greenleaf, R. P., M.D., 803 Market St., Wilmington, Del. *Hort., Agric., Chem.**
1814 Greenleaf, R. W., A.M., M.D., 241 Boylston St., Boston, Mass. *Bot.**
1815 Greenwood, E. C., Ipswich, Mass. *Orn., Tax., Osteol.* C. Ex.?
1816 Gregg, Wm. H., M.D., 143 West 21st St., New York, N. Y. *Orn., Ichth.* C.*
1817 Gregory, James C., Nyack-on-Hudson, N. Y. *Palæo., Geol., Min., Mic.* C.*
1818 Gregory, J. J. H., Marblehead, Mass. *Min., Con., Indian Antiquities.* C.*

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1819 Gregory, W. D., Susquehanna, Pa. *Chem., Phys., Elect.?*
1820 Gresley, Wm. S., M.E., The Westminster, Scranton, Pa. Geol. as applied to Mining and Engineering. C. Ex. coal-measure fossils, etc.*
1821 Grey, William, Kenwood, Albany Co., N. Y. *Bot., Ent.**
1822 Grice, J. T., Waterburgh, Tompkins Co., N. Y. *Mic.* C.
1823 Gridlay, Rev. A. L., Benzonia, Mich. *Cosmogony.*
1824 Griffin, Rev. L. J., Albion, Calhoun Co., Mich. *Tax.* C. Ex.
1825 Griffin, W. W., 80 Johnson St., Lynn, Mass. *Mic., Gen. Biol., Histol.**
1826 Griffing, Moses B., Shelter Island, N. Y. *Orn., Ool., Local Indian relics.* C.*
1827 Griffith, E. H., A.M., F.R.M.S., Fairport, Monroe Co., N. Y. *Mic.*
1828 Griffith, H. G., M.D., Burlington, Iowa. *Palæo., Ent.* C. Ex. Wishes to buy Coleopt. Coll. Lists desired.*
1829 Griffith, Dr. J. P. Crozer, formerly Ass't Demonstrator of Histol., Univ. of Pa., 123 S. 18th St., Philadelphia, Pa.*
1830 Griffith, Richard, Box 521, Kenosha, Wis. *Min.* C. Ex.
1831 Griffith, S. H., Passed Ass't Surg., U.S.N., Navy Dept., Washington, D. C. *Mic.**
1832 Grinnell, George Bird, Ph.D., Station J, New York, N. Y. *Osteol., Vert., Palæo., Orn.**
1833 Groesel, Charles E., Akron, Summit Co., Ohio. *Ent., Geol.* C. Ex.
1834 Groff, Prof. George G., M.D., Lewisburg, Pa. *Nat. Hist.* C.*
1835 Gross, C. A., Landisville, Atlantic Co., N. J. *Bot.* C. Coll. of pine barren plants. Herbarium specimens for sale.*
1836 Gross, L. N., Deadwood, Dakota. *Strat. Geol., Min., Chem., Metall.?*
1837 Grossman, Prof. John H., Shannon, Carroll Co., Ill. *Bot., Phys., Geol.* C. Ex.
1838 Gruber, F., Naturalist, Inventor of Zoögraphicon, 407 Dolores St., San Francisco, Calif. *Zool., Orn., Ool.**
1839 Gruhlke, A. C., Waterloo, DeKalb Co., Ind. *Arch., Coins, Mic.* C. Ex.*
1840 Grumbling, Christian M., A.M., Prof. Nat. Sci., Iowa Wesleyan University, Mt. Pleasant, Ia. *Chem., Phys., Geol., Zool., Bot.*
1841 Grunow, J., Microscopes, Microscope Objectives, and other Optical and Physical instruments of precision, 621 6th Ave., New York, N. Y.*
1842 Grupe, Albert F., 268 Parliament St., Toronto, Canada. *Orn., Ent.**
1843 Guelf, Charles P., Lock Box 6, Brockport, N. Y. *Geol., Min., Zool., Arch., Orn., Ool., Tax., Ent., Lepid.*
1844 Guignard, J. A., B.A., 36 Daly St., Ottawa, Can. *Bot., Hymenoptera.**
1845 Guldenschuh, Isaac P., Rochester, N. Y. *Elect., Meteo., Ast.*
1846 Gunckel, L. W., 121 W. 2nd St., Dayton, Ohio. *Palæo., Geol., Anth., Arch., Ethnol.* C. Ex. rare fossils, mins., etc., for rare Arch. spec. of all kinds. Correspondence solicited.*

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1847 Gundlach, Ernst, care Gundlach Optical Co., Rochester N. Y. *Elect., Mic., Ast.**

1848 Gunn, Robert A., M.D., 108 West 47th St., New York City. *Anat.**

1849 Gurley, Mrs. Anna S., Danville, Ill. *Con., Crust., Invert. Zool.* C. Ex. fossils for above.*

1850 Gurley, William F. E., Danville, Ill. *Invert. Palæo.* C. Fossils to ex.*

1851 Guthrie, Ezra L., Adams, Decatur Co., Ind. *Arch., Orn., Tax.* C. Desires to exchange good skins of this locality for the same of other localities.

1852 Guttenberg, Gustavus, Central High School, Pittsburgh, Pa. *Min., Geol., Bot.* C. Ex.*

1853 Guye, Mrs. E. W. P., 1217½ 3d St., Seattle, Washington.*

1854 Haanel, Prof. E., Ph.D., F.R.S.C., Syracuse Univ., Syracuse, N. Y. *Phys., Min.**

1855 Haberer, Joseph V., M.D., 66 Miller St., Utica, N. Y. *Bot.: Cyperaceæ* (spec. *Carex*), *Comp. Anat. Ostrol.* C. Rare plants. for ex. Desires Caricæ from all parts of the world.*

1856 Habirshaw, John, M.D., F.R.M.S., 235 W. 76th St., New York, N. Y. *Mic., Vert.* C.*

1857 Hacker, Wm., 233 So. 4th St., Philadelphia, Pa. *Orn., Bot.* C. Ex.*

1858 Hackman, H. S., Peru, La Salle Co., Ill. *Con., Land, F. W. and Marine Shells, Mound Builders' Relics. Algæ, Fungi, Mosses, Hort., Palæo., Geol., Min., Arch., Ent., Moll.* C. Ex.*

1859 Hadaway, W. S., jr., Plymouth, Mass. *Org. Chem., Physics, Elect., Mic.* C. Ex.

1860 Hagemann, John, Houston, Texas. *Min., Chem., Metall., Phys.* C.*

1861 Hagen, H. A., M.D., Ph.D., Prof. Harvard Univ., Ass't Mus. Comp. Zool., 7 Putnam Ave, Cambridge, Mass. *Ent.* Ex. Biological specimens. Neuroptera, Pseudo-neuroptera.*

1862 Hager, Bert R., Pres. Audubon Orn. Club, 463 S. Leavitt St., Chicago, Ill. *Orn, Tax.**

1863 Hague, Arnold, U. S. Geol. Surv., Washington, D. C. *Geol., Lithol.**

1864 Hague, James D, Mining Engineer, 18 Wall St., New York, N. Y. *Geol., Mining Engineering.**

1865 Hahn, H. C., Ph.D., Lansing, Mich. *Crystall., Chem., Gen. Biol., Vert. Emb., Hist.* C. Ex.*

1866 Haight, E. M., Riverside, Calif. Dealer in *Gen. Nat. Hist. spec., Coins, Stamps. Relics and Curiosities.* C. Ex.*

1867 Halles, Wm., M.D., 197 Hamilton St., Albany, N. Y. *Embryology, Normal and Pathological Histol.* C. Ex.*

1868 Haines, Benjamin, Elizabeth, N. J. *Min., Arch.* C. Ex.?

1869 Haines, Chas. D., Calif. Acad. of Sci., San Francisco, Calif. *Ent.: Coleopt., Hemipt.**

1870 Haines, Reuben, 201 So. 5th St., Germantown, Phila., Pa., and 738 Sansom St., Philadelphia, Pa. *Analyt. Chem.**

1871 Haines, Wm. J., A.B., Cheltenham, Montgomery Co., Pa. *Elect., Orn., Ool.* C. Ex.*

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1872 Hake, E. G., M.D., New Cumberland, Cumberland Co., Pa. *Bot.* (*Crypt.*). *Zool.*, *Geol.*, *Mic.*, *Photog.**

1873 Halberstadt, A. G., 261 Seventh St., New York, N. Y. *Am. and Foreign Stamps.**

1874 Halberstadt, Baird, Special Agent U. S. Census, Pottsville, Pa. *Statistics of Cone Production, Coal Mining, Geol., Ethnog., Neuropt.* C. Ex.*

1875 Halbrook, F. N. (C.E.), Box 260, El Paso, Texas. *Min., Metall., Photog.* C. Ex.*

1876 Hale, Dr. Edwin M., Emeritus Prof. Materia Med. and Therap., Chicago Hom. Med. Coll., Chicago, Ill. *Med. Bot., Materia Medica.**

1877 Hale, Horatio, Clinton, Ont., Can. *Anth., Arch., Eth., Ethnog., Philol.**

1878 Hale, John P., M.D., Charleston, Kanawha Co., W. Va. *Ethnog., Ethnol., Arch.**

1879 Hale, William H , Ph.D., 50 Clinton Ave., Albany, N. Y. *Gen. Biol., Anth., Comp. Philol.*

1880 Hall, A., Naturalist and Taxidermist, East Rockport, Ohio.

1881 Hall, Alex. P., M.D., Mobile, Ala. *Microscope in Medicine.*

1882 Hall, Asa F., Hudson, Mass. *Min., Geol.* C. Ex.*

1883 Hall, Prof. Asaph, U. S. Naval Observ., Washington, D. C.

1884 Hall, Rev. C. H., D.C., 157 Montague St., Brooklyn, N. Y. *Bot.* Ex.*

1885 Hall, C. W., Prof. Univ. Minn., and Ass't U. S. Geologist, 803 Univ. Ave., So. Minneapolis, Minn. *Geol., Min., Lithol.* C. Ex.*

1886 Hall, D. K., Rutland, Vt. *Geol., Min.* C. Ex.*

1887 Hall, Edwin B., Wellsville, Allegany Co., N. Y. *Nat. Hist.**

1888 Hall, Edwin H., 5 Avon St., Cambridge, Mass. *Phys.**

1889 Hall, George M., Flint, Genesee Co., Mich.*

1890 Hall, Henry G., Savoy, Champaign Co., Ill. *Arch., Orn., Min., Bot , Ool., Tax., Ent , Fossils.* C. Ex. or sell birds, reptiles and mammals, mounted or skins; eggs; imitations and casts of fruit, arrow and spear heads; foreign and U. S. stamps, old type; casts and stubbed specimens made to order. Correspondence desired.

1891 Hall, Isaac H., Metropolitan Museum of Art, New York, N. Y. *Bot.: Ferns, Orchids.*

1892 Hall, Mrs. I. D., New Bedford, Mass. *Con.* C.*

1893 Hall, James, State Geologist and Palæontologist; Director of State Mus. Nat. Hist., Albany, N. Y. *Geol., Palæo.* C. Ex.*

1894 Hall, Dr. L. Brewer, 161 North 15th St., Philadelphia, Pa. *Crypt. Bot., Mic.**

1895 Hall, Lyman B., Ph.D., Haverford Coll., Montgomery Co., Pa. *Chem.**

1896 Hall, Orvis W., M.D., Atlanta, Idaho. *Phæn. Bot., Ferns, Mosses, Chem., Elect., Osteol., Myol., Histol.*

1897 Hall, T. P., M.A., Ph.D., Science Master, Woodstock Coll., Woodstock, Ont., Canada *Elect.**

1898 Hall, Wegia H., Meriden, Ct. *Anth., Arch., Eth.**



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1899 Hall, W. S., M.D., Haverford Coll., Pa. *Biol., Phys. Training.**
1900 Hallock, A. P., Ph. D., 440 First Ave., New York, N. Y.*
1901 Hallock, Chas., P. O. Box 25, New York, N. Y. (Washington, D. C.) *Physics, Gen. Biol., Geog. Dist., Ichth.**
1902 Hallock, Prof. E. J., Ph.D., Peekskill, N. Y. *Chem.*
1903 Hallock, Lendal V., Creedmoor, N. Y. *Lepid.* C. Ex. for both native and foreign varieties.*
1904 Hallock, Wm., A.B., Ph.D., U. S. Geol. Survey, Washington, D. C. *Phys., Elect.**
1905 Hallowell, Susan M., Prof. Bot., Wellesley Coll., Wellesley, Mass.*
1906 Halsted, Byron D., Rutgers College, New Brunswick, N. J. *Crypt. Bot., Weeds, Seeds, Pollen.**
1907 Halsted, Geo. B., Prof. Math., Univ. of Tex., 2004 Matilde St., Austin, Tex. *Crystall., Phys., Ast.*
1908 Ham, G. E., 7 Silver St., Worcester, Mass. *Coleopt.*?
1909 Hambach, G., M.D , Prof. Washington Univ., 1319 Lami St., St Louis, Mo. *Palæo., Bot.* C. Ex. fossils and minerals.*
1910 Hamblin, Floyd, Mohawk, N. Y. *Min., Geol., Arch., Numismatics.* C.*
1911 Hamel, Thomas E., M.A., F.R.S.C., Prof. Faculty of Arts, Laval Univ., Quebec, Can. *Nat. Phil.**
1912 Hamill, Alex., M.D., Baldwinsville, N. Y. *Arch.* C. Ex.*
1913 Hamilton, C. W., Brimfield, Ill. *Gen. Nat. Hist.* C. Ex.*
1914 Hamilton, Edwin H., Petersburg, Ill. *Ool., Arch., Nat. Hist.*?
1915 Hamilton, Hugh, M.Sc., M.D., 212 S. 2d St., Harrisburgh, Pa. *Chem., Geol.* C.*
1916 Hamilton, John, M.D., 18 Ohio St., Allegheny, Pa. *Coleopt.* C. Ex.*
1917 Hamilton, Leonidas Le Cenci, 6 James St., Franklin Sq., Boston. *Bot.: Fungi, Algæ, Diatoms, Palæo., Geol., Min., Crystall., Org. and Inorg. Chem., Phys., Elect., Meteo., Ast., Zool., Gen. Biol., Emb., Anth., Arch., Phil.*
1918 Hamlin, Augustus C., M.D., Bangor, Me. *Palæo., Geol., Min., Crystall., Chem., Metall., Arch., Eth.* C.*
1919 Hamlin, D. A., Training School, Boston, Mass. *Bot , Mic.**
1920 Hamlin, F. M., M.D., Auburn, N. Y. *Mic., Con.* C. Ex. Bermuda and W. I. sea-shells in ex. for Land and Marine shells. Also mic. objects generally.*
1921 Hampson, John J., 71 Cutler St., Newark, N. J. *Ent., Lepid.* Ex.*
1922 Hampton, C. J., Junius, Seneca Co., N. Y. *Orn., Min., Moll., Tax., Mam.* C.*
1923 Hanaman, C. E., F.R.M.S., 103 First St., Troy, N. Y. *Biol., Histol.* C.*
1924 Hancock, E. M., Waukon, Ia. *Orn.*
1925 Hancock, Ellwood, Burlington, N. J. *Min.* C.*
1926 Hancock, Dr. Joseph L., 3120 Vernon Ave., Chicago, Ill. *Orn., Zool., Biol.**
1927 Hanham, A. W., care of Bank of British North America, Hamilton, Ont., Canada. *Lepid., Coleopt., Molluscs.* C. Ex.*

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1928 Hanke, Henry C., Minneapolis, Minn. *Orn., Ool.* C. Ex.
1929 Hankenson, E. L., Newark, Wayne Co., N. Y. *Bot.: Salices, Carices.* C. Ex. local for other plants.*
1930 Hanks, Henry G., F.G.S., 718 Montgomery St., San Francisco, Calif. Ex.*
1931 Hanna, George B., Ass't Assayer U. S. Assay Office, Charlotte, N. C. *Min. Engineering, Met. and Min., Chem.* C.
1932 Hanna, H. W., Warsaw, Ind. *Palæo., Geol., Min., Con., Arch.* C. Ex.?
1933 Hannum, Frank A., Easthampton, Mass. *Orn., Ool., Bot.* C.
1934 Hanson, James F., Fremont, Neb. *Bot., Geol.**
1935 Harbison, W. F., Spencerville, Allen Co., Ohio. *Arch., Geol., Moll., Palæo.* C. Ex.*
1936 Harbron, George, P. O. Box 1381, Hamilton, Ohio. *Orn., Tax.* Ex.*
1937 Hard, Geo. M., 192 Broadway, New York, N. Y. *Bot., Horticulture.**
1938 Hard, M. E., M.A., Supt. Pub. Instruction, Gallipolis, O. *Geol., Min., Crystall., Lithol.* C. Ex.*
1939 Hardaway, Robert A., Prof. of Civil and Mining Engineering, University of Alabama, Tuscaloosa, Ala. *Engineering.**
1940 Harden, Edw. B., M.E., Ass't Geol. Surv. Pa., 907 Walnut St., Phila., Pa. *Struct. Geol., Geol. models, Inorg. Chem., Photog.**
1941 Harden, John H., M.E., Phœnixville, Pa. *Expert in Min. Eng.* C. Ex.*
1942 Harden, Oliver B., Asst. Geol., Penn. State Survey, Room 18, 4th floor, P. O. Building, Phila., Pa. *Stenographer, Strat. Geol.**
1943 Hardin, Robert A., M.D., Cor. 5th Ave. and Russell St., Nashville, Tenn. *Mic., Zool., Gen. Biol.* C. Ex.
1944 Hardy, Arthur S., Ph.D., Dartmouth Coll., Hanover, N. H. *Math.*
1945 Hardy, E. R., 420 Congress St., Portland, Me. *Mam., Orn., Reptiles.* C.?
1946 Hardy, Manly, Brewer, Me. *Orn.* C. Ex.
1947 Hare, Sidney J., C.E., 2415 E. 18th St., Kansas City, Mo. *Palæo., Ent., Min., Geol., Arch.* Collector and exchanger for Washington Park Museum, Kansas City, Mo.*
1948 Haren, Wm. A., 1326 Hickory St., St. Louis, Mo. *Mic., Ast., Elect., Phys.**
1949 Hargrave, C., Sec. of the Central Normal Coll., Danville, Ind. *Land and Fresh Water Shells a specialty, Mic., Diatoms.* C. Ex.*
1950 Hargreaves, H. B., Box 19, Garnerville, Rockland Co., N. Y. *Mic.: Sections of wood.* C. Ex.?
1951 Harkness, Chas. W., Elmwood, Peoria Co., Ill. *Geol., Lithol., Chem.* C. Ex.?
1952 Harkness, H. W., M.D., Pres. Calif. Academy of Science, San Francisco, Calif. *Micros., Fungi.* C.*
1953 Harkness, Prof. William, U. S. N., Naval Observatory, Washington, D. C. *Ast.**

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1954 Harn, E. H., Box 51, Blairsville, Pa. *Min., Geog. Dist., Radiates, Moll., Land and Fresh Water Shells a specialty.* C. Ex.*
1955 Harper, Charles Asbury, 499 Gilbert Ave., Cincinnati, Ohio, Ass't Prof. of Chem., Cincinnati Coll. of Pharmacy. *Chem.**
1956 Harper, D. N., Ph.B., Chemist, St. Anthony Park, Minn. *Strat. and Phys. Geol., Min., Crystall., Lithol., Org. and Inorg. Chem.* C. Ex.*
1957 Harper, Esmonde, 2035 Wallace St., Philadelphia, Pa. *Orn., Ool.* C. Ex.*
1958 Harper, E. T., Port Byron, Ill. *Bot.**
1959 Harper, George W., Principal Woodward High School, Cincinnati, Ohio. *Geol., Con., Palæo.* C. L. Sil. fossils and F. W. and L. Shells of Ohio, Ky. and Tenn. for ex.*
1960 Harper, H. W., Ph.G., 514 Main St., Fort Worth, Texas. *Strat. and Phys. Geol., Min., Org. and Inory. Chem., Mic.* Student of Gen. Biol., Anth., Hist.*
1961 Harr, W. H., Att'y at Law, Hamilton, Butler Co., O. *Arch., Geol., Palæo.* C. Ex.
1962 Harriman, M. C., Elizabeth, N. J. *Min., Orn., Ent., Photography.* C. Ex.
1963 Harring, Wm., 523 Clay St., San Francisco, Calif. *Lepid.* C. Ex. and purchase.?
1964 Harrington, B. J., B.A., Ph.D., Prof. Chem. and Min., McGill College, Montreal, Can. *Min.* C. Ex.*
1965 Harrington, Charles, M.D., Instructor in Hygiene and Ass't Chem., Harvard Med. Coll., Boston, Mass. *Med. Chem., Tox. and Hygiene.*
1966 Harrington, M., York Centre, Iowa Co., Ia. *Ool.* C. Ex.
1967 Harrington, Prof. Mark W., Dir. of Obs., Ann Arbor, Mich. *Ast., Meteo.*
1968 Harrington, W. Hague, P. O. Dept., Ottawa, Can. *Ent.: Coleoptera, Hymenoptera.* C.*
1969 Harris, DeWitt S., Burlington, Kit Carson Co., Colo. *Mic., Arch., Ent.* C. Ex.*
1970 Harris, Elijah P., Ph.D., Prof. Chem., Amherst Coll., Amherst, Mass.
1971 Harris, Geo. F., F.C.C S., Prof. of Chemistry and Metallurgy, Chicago College of Science, Chicago, Ill.*
1972 Harris, Gilbert D., Ph.B., Ass't Geol. Survey, Russellville, Ark. *Invert., Lithol., Molluscs, Geol., Palæo.* C. Ex.*
1973 Harris, I. H., Waynesville, Ohio. *Geol., Palæo., Arch.* C. Ex.*
1974 Harris, Thaddeus W., Instructor in Geol., Harvard College, Divinity Hall, 40, Cambridge, Mass. *Strat. and Physical Geol.**
1975 Harris, Thos. C., Cur. N. C. Geol. Museum, Dept. Agric., Raleigh, N. C. *Min., Phys., Elect., Photog.**
1976 Harrison, Edwin, B.S., St. Louis, Mo. *Geol.**
1977 Harrison, Frank S., Princeton, Ill. *Bot., Geol., Arch., Periodicals and Newspapers.* C. Ex.*
1978 Harrison, J. B., Franklin Falls, N. H. *Bot., Geol.* C. Ex.*

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1979 Harrison, Wm. G., M.D., 26 Mt. Vernon Place, Baltimore, Md. *Mic., Biol.**
1980 Harrod, P., M.D., Avon, Fulton Co., Ill. *Ool.* C. Ex.
1981 Hart, Charles A., Champaign, Ill. *Ent., Bot., Con.* C. Ex. in Ent.*
1982 Hart, Dr. C. P., Wyoming, Ohio. *Biol., Alienist and Neurologist.**
1983 Hart, Edward, Ph.D., Prof. Chem., Easton, Pa. *Chem.**
1984 Hartman, Walter, Belleville, Ontario, Can. *Orn., Tax.* C. Ex.
1985 Hartman, W. D., M.D., Westchester, Pa. *Con.* C.*
1986 Hartmann, Leopold, Hockley, Harris Co., Texas. *Ent.*
1987 Hartwell, Samuel, Lincoln, Mass. *Hort.**
1988 Hartzell, L. B., Harper, Harper Co., Kan. *Orn., Ool.* C. Ex.?
1989 Hartzler, Prof. J. C., Newark, O. *Arch., Geol., Palæo.*?
1990 Harvey, F. L., B.S., Prof. Biology and Geology, Orono, Me. *Bot., Zool., Geol., Min.* C. Ex.*
1991 Harvey, Leon F., M.D., Buffalo, N. Y. *Lepid.* C.
1992 Harvey, Rev. Moses, St. Johns, Newfoundland. *Cephalopoda, Geol., Palæo.**
1993 Harvey, William, Bradford, Stark Co., Ill. *Bot.* C.*
1994 Hasbrouck, Edwin M., U. S. Geol. Survey, Washington, D. C. *Mam., Orn., Ool.* C. Ex.*
1995 Haskell, Charles H., Holland Patent, Oneida Co., N. Y. *Palæo., Min.* C. Ex. fossils from Utica slate for fossils or fine minerals.*
1996 Haskins, J. P., Proprietor Saratoga Co. Mus. of Nat. Hist., containing the fauna of the western part of the United States, and ten tons of fossils and minerals, all for sale, Saratoga Springs, N. Y. *Geol., Min., Arch., Palæo.* C. Ex.*
1997 Haslam, Rev. Geo. E., M.A., Trinity College, Toronto, Can. *Bot., Geol., Zool.* C. Ex.?
1998 Hasse, H. E., M.D., Soldiers' Home, Los Angeles Co., Calif. *Bot.* C. Ex.*
1999 Hassler, Ferdinand A., M.D., Ph.D, Santa Ana, Orange Co., Calif. *Phæn. Bot., Geog. Dist., Mollusca.* C.*
2000 Hastings, Wm. N., Rochester, Strafford Co., N. H. *Desmids, Mic., Pathol.* C.*
2001 Hatch, C. C., Community, N. Y. *Orn.* C. Ex.
2002 Hatch, Delos, Oak Centre, Wis. *Orn.* C. Ex. birds' eggs and skins for same, and mins., shells, etc.*
2003 Hatch, James H., D.D.S., 213 Geary St., San Francisco, Calif. *Diatoms, Mic., Hist.**
2004 Hatch, P. L., M.D., Minneapolis, Minn. *Mic., Orn.**
2005 Hatch, S. R., Milford, Mass. *Diatoms, Min., Mic., Photog., Infusoria, Electricity.* C. Ex.?
2006 Hatch, W. H., Moline, Ill. *Bot.* C. Ex.*
2007 Hathaway, H. S., 243 Elmwood Ave., Providence, R. I. *Min., Orn, Ool., Zool., Ent.* C. Ex.*

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2009 Hawkes, Wm. H., B.A., M.D., 734 17th St., N. W., Washington, D. C. *Philology, Arch., Anthropology.**
2010 Hawkins, Hiram B., Box 893, Oneonta, Otsego Co., N. Y. *Min., Ent.: Lepid., Coleopt.* C. Ex.*
2011 Hawkins, James, 212 So. Leavitt St., Chicago, Ill.?
2012 Hawkins, Thomas H., M.D., Denver, Colo. *Physiol.**
2013 Hawley, Geo. D., Augusta, Hancock Co., Ill. *Palæo., Geol., Min., Ent.* C. Ex.*
2014 Hawley, Geo. P., Round Grove, Whiteside Co., Ill. *Geol., Min., Elect., Arch., Eth., Tax.* C. Ex.*
2015 Hawley, Mrs. Helen D., Round Grove, Whiteside Co., Ill. *Bot.: Ferns, Mosses, Algæ, Geol., Palæo., spec. Arch., Min., Crystall, Ethnol.* C. Ex.*
2016 Hawley, Rev. R. E., M.A., Washington, Ind. *Indian Relics, Cin. and Carb. Fossils and Goniatites.* C.
2017 Haworth, Alphonso, Mayport, Fla. *Marine Shells.* C. Ex.*
2018 Hay, George U., St. John, N. B., Can. *Bot.: Ferns, Fungi, Algæ.**
2019 Hay, J. Marley, F.S.A. Scot., 912 Sixth Ave., New York, N. Y. *Arch.?*
2020 Hay, O. P., Prof. Nat. Hist., Butler Univ., Indianapolis, Ind. *Comp. Anat., Fishes, Batrachians, Reptiles, Crustacea.* C. Ex.*
2021 Hay, Robert, Geologist, Junction City, Kansas. *Geol., Lith.* C. Would like to sell.
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2024 Hayden, N. W., Windsor, Hartford Co., Ct. *Bot.* C.
2025 Haydon, Walton, F.R.G.S., East Selkirk, Manitoba. *Diurnal Lepid., Bot., Folk Lore of American Indians?*
2026 Hayes, C. W., Geological Survey, Washington, D. C. *Geol., Chem.**
2027 Hayes, Charles E., cor. Main and Dyre Sts., Frankford, Philadelphia, Pa. *Orn., Ool.* C. Ex.?
2028 Hayes, Prof. E. A., Randolph, N. Y. *Geol., Min., Phys., Ast.* C. Ex.?
2029 Haynes, Prof. Henry W., 239 Beacon St., Boston, Mass. *Arch.*
2030 Haynes, Hiram, Taxidermist, 4 Caulkins Ct., Water St., Lawrence, Mass. *Orn., Herpetol., Tax., Ent.* C.*
2031 Hays, Willet M., Asst. in Agric. in Minn. Univ. and Exper. Station, St. Anthony Park, Minn. *Bot., Hort., Mic.**
2032 Hayt, H. W., Med. Electrician, Lowville, N. Y. *Mam., Orn.* C. Ex.
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2109 Hill, Frederick A., P. O. Box 155, Valley Falls, R. I. *Chem., Bot., Mic., Phys., Phil.**

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2148 Hoadley, A. E., M.D., Prof. Anat., Coll. Phys. and Surgeons of Chicago, 683 Washington Boulevard, Chicago, Ill. *Zool., Vert. Anat., Osteol.* Ex. in Osteol and Anat.
2149 Hoadley, Geo. M., C. E., Prof. Physics, Swarthmore Coll., Swarthmore, Del. Co., Pa. *Min., Geol., Elect.**
2150 Hoadley, John C., 28 State St., Boston, Mass. Engineer and Expert in patent cases. *Geol., Phys., Elect.* C.?
2151 Hoagland, Cornelius N., M.D., F.R.M.S., 410 Clinton Ave., Brooklyn, N. Y. *Photog.-Micrography, Bacteriology.**
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2156 Hobson, Jos. M., Broad and Germantown Ave., Philadelphia, Pa. *Min.* C.*
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2164 Hoffman, Walter J., M.D., Bureau of Ethnology, Washington, D. C. *Anth.**
2165 Hoffmann, G. C., F. Inst. Chem., F.R.S.C., Chemist, Mineralogist and Ass't Dir. Geological and Natural History Surv. of Canada, Ottawa, Can.*

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2169 Holbrook, M. L., M.D., 46 E. 21st St., New York, N. Y., Editor Herald of Health, Prof. of Hygiene in New York Med. Coll., and Hospital for Women, N. Y.*
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2642 Leeds, B. Frank, Santa Clara, Santa Clara Co., Calif. *Bot.: Phæn. Plants.* C. Ex.*

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2644 Legro, John I., Rochester, N. H. *Min.* C. Ex.*

2645 Leiberg, John B., Rathdrum, Kootenai Co., Idaho. *Bot., Mic., Min. of the western slope of the Bitteroot Mts.* C. Ex.*

2646 Leidy, Joseph, M.D., Prof. Anat., Univ. Pa., 1302 Filbert St., Phila., Pa. *Zool., Comp. Anat.**

2647 Leland, George H., Civil Engineer, 74 Westminster St., Providence, R. I. *Bot.* C. Ex. Desires to exchange for foreign or American ferns.*

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2649 Lemmon, Mrs. J. G., Artist Calif. State Board of Forestry, Lemmon Herbarium, 1015 Clay St., Oakland, Calif. *Bot., and flower painting.**

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2658 Leonard, William H., Minneapolis, Minn. *Ferns.?*
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2662 Letterman, George W., Allenton, Mo. *Phæn. Bot., Ferns, Anth., Arch., Ent.* C. Colorado Alpine plants for sale or exchange. Ex. for herb. spec. in general.*
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2666 Levision, Wallace Goold, Pres. Brooklyn Acad. of Photography, Fellow N. Y. Acad. of Sci., Res. 314 Livingston St., Brooklyn, N. Y. *Inorg. Chem., Metall., Phys., Elect., Photog., Ast., Celestial Chem.**
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2760 Luidenkohl, Henry, Coast and Geodetic Survey, Washington, D. C.*

2761 Lummis, Henry, Lawrence Univ., Appleton, Wis. *Phæn. and Crypt. Bot., Geol., Min., Zool., Moll.**

2762 Lumsden, George R., Greeneville, Ct. *Diatoms, Mic., Molluscs.* Have insects, shells and books to exchange for microscopical books, materials, instruments, etc., or for sale.*

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4847 Woodman, Harvey T., New York City. *Geol., Zool., Invert. Anat., Ichth., Moll., Radiates, Sponges, Arch., Min.* Will exchange fine corals, sea shells, starfishes, sea urchins and other marine specimens for good perfect stone or copper implements.*
4848 Woodman, Henry S., P. O. Box 87, Brooklyn, E. D., N. Y. *Diatoms, Min., Ent.* C. Ex.*
4849 Woods, Chas. D, Chemist, Middletown, Conn. *Chem.**
4850 Woodward, A., Am. Museum of Nat. Hist., 77th St. and 8th Ave., New York, N. Y. *Geol., Mic. Foraminifera.**

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4851 Woodward, A. J., M.D., Atlanta, Ga. *Herpetol., Coleoptera.**
4852 Woodward, A. L., Utica, N. Y. *Veg. Histol.*
4853 Woodward, R. S., Geological Survey, Washington, D. C. *Math., Physical Geol.**
4854 Woodward, W. Elliot, 38 Harlow St., Dorchester, Mass. *Arch., Mound builders' and Indian Antiquities, Coins, Prehistoric stone relics from Scandinavia, and medals, Bric-a brac and rare books.* Always prepared to buy large or small collections for ready money. Holds auction sales in N. Y. and Boston monthly. Catalogues sent to collectors on application. C. Ex.*
4855 Woodworth, Charles, M.S., 610 Clark St., Champaign, Ill. *Ent., Insect Histol., Coleopt., Hemipt.* C. Ex.
4856 Wooley, J. H., 865 West Monroe St., Chicago, Ill.
4857 Woolman, Geo. S., 116 Fulton St., New York City, N. Y. *Mic.* C.*
4858 Woolman, J. A., Terre Haute, Ind.*
4859 Woolson, George C., Passaic, N. J. *Bot., Hort.* Special Cultivation of native plants. C.
4860 Woolverton, S., London, Ont., Can. *Gen. Collector of minerals, shells, coins, Indian relics, etc.*
4861 Wooster, L. C., Teacher Natural Science, Southern Kansas Acad., Eureka, Kan. *Geol., Bot., Carbon. fossils.* C.*
4862 Worrall, Jno. Hunter, Ph.D., West Chester, Chester Co., Pa. *Physics, Meteo., Ast.*
4863 Worthen, Chas. K., Naturalist and Taxidermist and Dealer in Birds and Mammal Skins, Warsaw, Ill. *Orn., Tax.* C. Ex.*
4864 Worthen, Rev. Dr. H. W., Bradford, Vt. *Geol., Min., Lithol., Molluscs.* C. Ex.*
4865 Worthington, Willis Woodford, Taxidermist and Collector, Shelter Island, Suffolk Co., N. Y. *Orn.: Ool., Tax., Arch., Min.* Fine cabinet specimens collected to order. Correspondence solicited. C. Ex.*
4866 Wright, Albert A., A.M., Ph.B., Prof. Geol. and Nat. Hist., Oberlin Coll., Oberlin, Ohio. C.*
4867 Wright, Arthur W., Ph.D., Prof. Experimental Physics, Yale Coll., New Haven, Ct.*
4868 Wright, Berlin H., De Leon Springs, Volusia Co., Fla. *Con., Palæo., Ast.* C. Unionidæ of Florida, new and rare forms for ex. in large quantities. East Coast Marine Shells also L. and F.W. species in large quantities for exchange.*
4869 Wright, Chas. J., New York Military Acad., Cornwall-on-Hudson, N. Y. *Palæo., Geol., Min., Crystall., Lithol., Mic., Photog., Ast.* C. Ex.*
4870 Wright, Rev. G. Frederick, Oberlin, Ohio. *Glacialist.**
4871 Wright, Geo. M. (late Ass't Geologist, U. S. Geol. Surv.), Tallmadge, Summit Co., Ohio. *Geol., Lithol.**
4872 Wright, James A., 45 Waverly St., Brighton Dist., Boston, Mass. *Lepid., Coleopt., Gen. Nat. Hist.* C. Ex.
4873 Wright, James C., Fredonia, Licking Co., Ohio. *Arch., Palæo., Min., Con., Old Coins, Medals and War Mottoes.* C. Ex.*

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4874 Wright, R. Ramsay, M.A., B.Sc., F.Z.S., Prof. Biol., University of Toronto, Canada. *Anatomy of Vertebrates.**

4875 Wright, Samuel H., M.D., A.M., Ph.D., Penn Yan, Yates Co., N. Y. *Bot., Con., Mic., Ast.* C. Specialty Carices and Unionidæ. Unios and Carex named gratis, and ex. in both wanted. Plants from Austria and U. S., for those of any other part of the world.*

4876 Wright, Walter E. C., A.M., Prof. Nat. Sci., Berea Coll., Berea, Ky.*

4877 Wright, W. G., B.S., San Bernardino, Calif. *Bot., especially Palms, Cactuses and Seeds, Ent., chiefly Lepid. and Coleopt.* C.*

4878 Wunderlich, Adolph, 35 Willcut St., Cleveland, Ohio. *Tax.* C. Ex.*

4879 Wyman, Vaughn, Perry, Lake Co., Ohio. *Ool.* C. Ex.

4880 Wyman, Walter Channing, 158 Dearborn St., Chicago, Ill. *Arch., Ethnol.* C. Ex.

4881 Wyman, Wm. S., Prof. in Univ. of Ala., Tuscaloosa, Ala. *Am. Arch., and Eth.**

4882 Wynne, Samuel, Phœnixville, Chester Co., Pa. *Geol., Min., Arch., Ool., Sponges, Indian relics.* C. Ex.*

4883 Yarrow, H. C., M.D., Cur. Dept. Reptiles, Nat. Mus., Smithsonian Inst., Army Med. Mus., Washington, D. C. *Eth., Gen. Zool., Herpetol., Ichth.*

4884 Yates, Joseph, Mott Ave., near 138th St., New York City, N. Y. *Geol., Min., Chem., Physics, Elect., Mic., Meteo., Ast.* C.

4885 Yates, Dr. Lorenzo G., F.L.S., Santa Barbara, Calif., Author of "All Known Ferns," etc. *Con., Geol., Min.* C. Ferns (living or dried) from foreign countries wanted by ex. or purchase. Desires information in relation to new species, new localities, and publications.*

4886 Yeates, William S., Ass't Curator, Dept. of Minerals, U. S. Nat. Mus., Washington, D. C. *Min., Crystall., Inorg. Chem.**

4887 Yendell, Paul S., 419 Washington St., Boston, Mass. *Ast.**

4888 Yoakum, Prof. Franklin I., M.D., Pres. Acad. Sci., Texas, Tyler, Smith Co., Tex. *Gen. Nat. Hist.* C. Ex. Texas invert. Gulf and F. W. shells for invert. fossils and recent shells, all named. All materials containing Marine or F. W. Diatoms supplied. Send for printed list.*

4889 Yocum, Wilbur F., Pres. Fort Wayne College, Ind. *Bot., Mic., Ent.*

4890 York, Burt L., Putnam, Ct. *Ent., Lepid.* C. Ex.*

4891 York, Wm. F., Nashua, N. H. *Geol., Min., Arch.* C. Ex.*

4892 Younmans, William Jay, M.D., care Pop. Sci. Monthly, 1 Bond St., New York City, N. Y. *Chem., Physiol.**

4893 Young, Rev. Albert A., Monona, Clayton Co., Iowa. *Geol., Mic., Tax.* C. Ex.*

4894 Young, A. H., Hanover Coll., Hanover, Ind. *Bot., Geol.* C. Ex.*

4895 Young, Abram Van Eps, Prof. N. W. Univ., Evanston, Ill. *Min., Org. and Inorg. Chem., Phys.**

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4896 Young, Dr. C. A., Coll. of N. J., Princeton, N. J. *Ast.**
4897 Young, C. H., 89 Market St., Newark, N. J. *Lepid., Orn.**
4898 Young, E. Bentley, M.Sc., 104 Appleton St., Boston, Mass. *Bot., Min., Lithol., Chem., Phys.* C.*
4899 Young, H. A., Revere, Mass. *Bot.: spec. Mosses.* C. Ex.*
4900 Young, Henry H., Perris, San Diego Co., Calif. *Ent.: Hymenop., Lepid., Coleopt.**
4901 Young, Leon G., St. Albans, Vt. *Min., Orn.: Ool., Tax., Lepid., Coleopt.* C. Ex.*
4902 Young, Rawlings, M.D., Corinth, Alcorn County, Miss. *Orn., Ool.* C. Ex.*
4903 Young, Silas C., Edenville, N. Y. *Min.* C. Ex. Orange Co., N. Y., and Sussex Co., N. J., minerals for sale.*
4904 Youngs, Geo. R., C.E., Penn Yan, N. Y. *Bot.* C.*
4905 Zabriskie, Rev. J. L., Waverley Ave., Flatbush, L. I., N. Y. *Hymenoptera, Fungi, Mic. Preparations of Wood of N. A. and of Fungi for sale.* C. Ex.*
4906 Zahm, S. H., 443 W. Chestnut St., Lancaster, Pa. *Ool., Arch.* C. Ex. in Arch. only.*
4907 Zahn, Otto J., 317 S. Hope St., Los Angeles, Calif. *Ool.* C. Ex.*
4908 Zell, Mrs. Lydia D., Librarian Linnæan Society, Lancaster, Pa. *Phæn. and Crypt. Bot.**
4909 Zellweger, John, care Gundlach Optical Co., Rochester, N. Y. *Mic.**
4910 Zetlitz, Arne, Collector of Birds and Mammals for Museums, Dealers, Minneota, Lyon Co., Minn. *Zool., Mammals, Orn., Tax., Ent.* C. Ex.
4911 Ziegler, A., M.D., 101 Middle St., Allegheny, Pa. *Bot., Phæn. Plants, Min.* C. Ex.*
4912 Zimmerman, Rev. Jeremiah, A.M., Syracuse, N. Y. *Bibliog., Arch.**
4913 Zimmerman, Wm., 164 Dearborn St., Chicago, Ill. *Phys., Elect., Gen. Biol.**
4914 Zuber, Jere. W., Dengler's, Berks Co., Pa. *Geol., Min.* C. Ex.*

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# SCIENTIFIC SOCIETIES OF THE UNITED STATES AND CANADA.

## CALIFORNIA.

California Academy of Sciences, San Francisco. H. W. Harkness, M.D., Pres.; Frederick Gutzkow, Cor. Sec. Publishes "Proceedings and Memoirs." Has Collection, Museum and Library.*

California State Geological Society, San Francisco. Incorporated, Dec. 30, 1876. Henry G. Hanks, Pres.; S. Heydenfeldt, jr., Sec. Annual Meeting, first Monday in December.

Geographical Society of the Pacific, San Francisco.?

San Diego Lyceum of Natural Sciences. Organized, June, 1873. Robert J. Gregg, M.D., Pres.; George N. Hitchcock, Cor. Sec.?

San Diego Society of Nat. Hist. Organized Nov. 2, 1874. Geo. D. Cleveland, Pres.; Dr. H. W. Gould, Cor. Sec. Library and Collection.*

San Francisco Microscopical Society, Rooms 120 Sutter St., Address Box 2244. E. J. Wickson, Pres.; Dr. C. P. Bates, Rec. Sec. Cabinet and Library.*

Santa Barbara Society of Natural History. Organized, Nov. 25, 1876. H. C. Ford, Pres.; Lorenzo G. Yates, Cor. Sec. Museum and Library.*

## CANADA.

Canadian Institute, Toronto. Alan Macdougall, C.E., F.R.S.E., M. Inst. C.E., Sec. Library and Publishes Proceedings.*

Entomological Society, London, Ontario. Rev. C. J. S. Bethune, Port Hope, Ont., Pres.; W. E. Saunders, London, Ont., Sec. and Treas.*

Hamilton Association, Hamilton, Ontario. Established 1857. Literary and Scientific. Museum. Library. Publishes Transactions. Exchange. B. E. Charlton, Pres.; Harry B. Wilton, B.A., Cor. Sec.*

Kentville Naturalists' Club, Kentville, N. S. Col. L. DeV. Chipman, Pres.; A. J. Pineo, A.B., Sec. Forty-five Members. Library, Museum, Monthly Meetings and Summer Excursions

Murchison Scientific Society, Belleville, Ont. Organized, 1873. Thos. Wills, Pres.; R. D. D. Massy, Cor. Sec. Annual Meeting, second Monday in September.

Naturalist History Society, Montreal. Dr. Dawson, Pres.; Dr. Edwards, Sec. Collection. Publishes the "Canadian Naturalist and Geologist."



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Natural History Society of Toronto. James H. Pearce, Pres.; W. E. Middleton, Rec. Sec.; S. Hollingsworth, Cor. Sec. Collections. Library.

Nova Scotia Institute of Natural Science, Halifax. Prof. J. Somers, M.D., F.R.M.S., Pres.; Prof. D. Honeyman, D.C.L., F.R.S. Can., Sec.

Ottawa Field Naturalists' Club, Ottawa. Organized, March, 1879. H. Beaumont Small, M.D., Pres.; W. H. Harrington, Sec. Publishes Transactions.

Ottawa Literary and Scientific Society, Ottawa. Organized, 1869. A. B. Small, Pres.; F. K. Bennetts, Sec.*

## COLORADO.

Colorado Scientific Society, Denver. Organized, Dec. 8, 1882; incorporated, Jan., 1885. R. C. Hills, Pres.; P. H. Van Diest, Sec. Museum. Ex. of Minerals especially desired. Publishes "Proceedings."*

## CONNECTICUT.

Bridgeport Scientific Society. Library Building, 347 Main St. Isaac Holden, Pres.; C. H. Russell, Cor. Sec.; E. K. Averill, jr., Librarian and Curator. Library.*

Connecticut Academy of Arts and Sciences, New Haven. Incorporated, 1799. William H. Brewer, Pres.; Addison Van Name, Cor. Sec. and Librarian. Publishes "Transactions."*

Field and Forest Club, Southington. W. M. McLaughlin, Pres.; E. R. Newell, Sec.; Dr. J. H. Osborne, Cur.; Mrs. Dr. J. H. Osborne, Cor. Sec.

Meriden Scientific Association. Prof. J. H. Chapin, Ph.D., Pres.; Dr. Chas. H. S. Davis, Sec.*

Middletown Scientific Association. Organized, March 17, 1871. Prof. W. N. Rice, Ph.D., LL.D., Pres.; Prof. H. W. Conn, Ph.D., Cor. Sec.

New Britain Scientific Association. James Shepard, Pres.; M. S. Wiard, Sec.*

Waterbury Scientific Society. Organized, October 19, 1868; incorporated July 8, 1869; membership, 70. G. P. Chapman, Pres.; Frederick Wilcox, Treas.

## DISTRICT OF COLUMBIA.

Anthropological Society of Washington. Dr. Robert Fletcher, Pres.; Dr. Frank Baker, Weston Flint, Secretaries.*

Biological Society of Washington. Lester F. Ward, Pres.; F. A. Lucas, L. O. Howard, Secretaries.*

National Academy of Sciences, Washington. Prof. O. C. Marsh, Pres.; S. P. Langley, Vice Pres.; Prof. Asaph Hall, Naval Observatory, Washington, D. C., Home Sec.; Wolcott Gibbs, Newport, R. I., Foreign Sec.*

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Philosophical Society of Washington. Organized, March 13, 1871. C. E. Dutton, Pres.; W. C. Winlock and J. S. Diller, Secretaries. Publishes "Bulletins." Eleven volumes have been published.*

Smithsonian Institution. Organized, 1846. S. P. Langley, Sec.; G. B. Goode, Ass't Sec.; William J. Rhees, Chief Clerk. Museum, Library and Gallery of Art. The publications comprise "Contributions to Knowledge," "Miscellaneous Collection," "Annual Reports."

## ILLINOIS.

Academy of Sciences of Southern Illinois, Carbondale. Organized, Dec. 2, 1876; membership, 100.

Chicago Academy of Sciences, Exposition Building, Mich. Ave. Organized, 1857; incorporated, 1859. Prof. Edmund Andrews, M.D., LL.D., Pres.; J. W. Velie, M.D., Sec. and Cur. Museum and Library.

Fulton County Scientific Assoc. Organized, July, 1888. W. S. Strode, M.D., Pres., Bernadotte, Ill.; Sec., Minnie B. Kelly, Astoria, Ill. Library.*

Illinois State Laboratory of Natural History, Champaign. S. A. Forbes, Director.*

Peoria Scientific Association. Dr. E. M. Colburn, Pres.; Dr. Fred. Brendel, Cor. Sec.*

Princeton Acad. of Sci., Princeton. Hon. Simeon Elliott, Pres.; Jacob Miller, Cor. Sec.

Ridgway Ornithological Club of Chicago. Organized, Sept. 6, 1883; incorporated, May, 1884. Geo. Frean Morcom, Pres.; Ruthven Deane, V. P.; H. K. Coale, Sec. and Treas.; Geo. L. Toppan, Curator and Librarian.*

Rockford Scientific Society. Organized, June 13, 1877; active members, 40. M. S. Bebb, Pres.; J. B. Upson, Sec.

## INDIANA.

Brookville Society of Nat. Hist. Incorporated, February, 1882. Amos W. Butler, Sec. Museum and Library. Desires to ex. many duplicate specimens, and asks donations of specimens and publications.*

Indiana Academy of Science. Organized, 1885. T. C. Mendenhall, Pres.; Amos W. Butler, Cor. Sec. Office, Brookville, Ind.*

Indianapolis Lyceum of Natural History. Organized, Oct., 1876. Edward T. Cox, Pres.; Prof. W. Webster Butterfield, M.Sc., M.D., Sec.

Jeffersonville Natural History Association. Organized, December, 1877. Wm. H. Fogg, Pres.; O. Hobbs, Sec.

Terre Haute Scientific Association, Terre Haute, Ind. Meets third Friday evening of each month.*

Western Indiana Historical and Scientific Association, Newport. Organized, Aug. 30, 1875; membership, 20. Prof. John Collett, Pres.; H. H. Conley, Cor. Sec. Museum, Collection and Library.

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## IOWA.

Davenport Academy of Natural Sciences, Davenport. Organized, Dec. 14, 1867. Jennie McCowen, M.D., Pres.; Lucy M. Pratt, Cor. Sec. Library and Museum. Publishes "Proceedings."*

Iowa Academy of Sciences, Iowa City. Organized, 1875. C. E. Bessey, Ames, Iowa, Pres.; C. M. Hobby, M.D., Cor. Sec. Number of Fellows limited to thirty.

Iowa Natural History Union, Des Moines. Organized, 1877. Wm. Jno. Gill, D.D., A.M., Pres.; S. S. Bonbright, Sec.

Iowa State Ornithological Society. J. H. Harvey, Pres.; S. S. Bonbright, Des Moines, Sec.

## KANSAS.

Gray-Wood Botany Club. B. B. Smith, Topeka, Pres.; Omar Newman, Topeka, Sec.*

Kansas Academy of Science, Topeka. G. H. Failyer, Manhattan, Kan., Pres.; E. H. S. Bailey, Lawrence, Kan., Sec.*

Topeka Society of Nat. Hist., Topeka. *Bot.**

Topeka Society of Nat. Sci. Geo. D. Hale, Pres.; B. B. Smyth, Sec., Topeka, Kan.*

Scientific Club of the Kansas State Agric. College, Manhattan.

Topeka Scientific and Literary Club. Prof. J. T. Lovewell, Pres.; Geo. S. Chase, Sec.

Wyandotte Society of Nat. Hist. W. H. Plank, Pres.; W. H. McCune, Sec., Wyandotte, Kansas.

## KENTUCKY.

Ohio Falls Geological Society, Centre and Walnut Streets, Louisville. Wm. J. Davis, Pres.; J. T. Gaines, Sec. Will exchange Silurian and Devonian fossils for those of other periods.

Polytechnic Society of Kentucky, Louisville. Instituted, December, 1876. Bennett H. Young, Pres.; E. A. Grant, Sec. Library, Museum, Art Gallery, Laboratory, etc. Desires exchange.

## MAINE.

Portland Society of Nat. History. Incorporated, 1850. Wm. Wood, M.D., Pres.; Prentice C. Manning, Cor. Sec. Cabinet.*

White Mountain Club, Portland. Rev. Dr. Thomas Hill, Pres.; John M. Gould, Sec.*

## MARYLAND.

Maryland Academy of Sciences, Baltimore. Organized, 1822. Philip R. Uhler, Pres. (1888).*

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## MASSACHUSETTS.

American Academy of Arts and Sciences, Boston. Organized, 1780. Joseph Lovering, Pres.; Andrew Preston Peabody, Vice-President; Josiah Parsons Cooke, Cor. Sec.; William Watson, Rec. Sec.; Eliot C. Clarke, Treas.; Henry Williamson Haynes, Libr. Publishes "Proceedings" and "Memoirs."*

American Association for the Advancement of Science. Organized, 1840; incorporated, Mar. 19, 1874. F. W. Putnam, Salem, Mass., Perm. Sec.

American Postal Microscopical Club. Founded, 1875. Prof. Samuel Lockwood, Freehold, N. J., Pres.; R. Halsted Ward, M.D., Troy, N. Y., Manager.*

Amesbury and Salisbury Natural History Society. Organized, 1873. H. S. Leslie, Pres.; Chas. Nayson, Cor. Sec.

Appalachian Mountain Club. Organized, 1876; incorporated, Apr. 1, 1878. George C. Mann, Pres.; F. W. Freeborn, Cor. Sec., Boston, Mass.; Roxbury, Mass.*

Arnold Arboretum (Harvard Univ). Chas. S. Sargent, Director; Charles E. Faxon, Ass't in charge of Herbarium. Living collections at Arnold Arboretum, West Roxbury, Boston. Herb. at the residence of the director, Brookline, Mass.

Boston Scientific Society, 419 Washington St. Organized, May, 1876; John Ritchie, jr., Pres.; E. E. Norton, Sec. "Science Observer" published by this Society.*

Boston Society of Natural History. Incorporated, 1831. F. W. Putnam, Pres.; J. Walter Fewkes, Sec. Annual Meeting, first Wednesday of May. Library and Collection. Publishes "Proceedings," "Memoirs," and "Occasional Papers."*

Boston Zoological Society, 285 Marlboro St. Organized, 1880. F. C. Bowditch, Pres.; Roland Hayward, Sec. Publishes the "Quarterly Journal."

Cambridge Amateur Society of Natural History. Organized, November, 1877. J. A. Osborn, Pres.; Wm. B. Greeley, Sec. Cabinet.

Cambridge Entomological Club. Established, Jan. 9, 1874; incorporated, March 9, 1877. C. W. Woodworth, Pres.; Roland Hayward, Sec. "Psyche," published by this Society, is issued monthly, at $2 per annum, $5 per vol. of 3 years.*

Cape Ann Scientific and Literary Assoc., Gloucester. Organized, 1875. Thomas Conant, Pres.

Essex Institute, Salem. Incorporated, 1848. Henry Wheatland, M.D., Pres.; Henry M. Brooks, Sec. Library contains 52,000 volumes. Publishes "Historical Collections" and "Bulletin." Objects, diffusion of knowledge in History, Nat. Hist., Horticulture and Arts.*

Greenfield Nat. Hist. Soc., Greenfield. C. Ex.

Hanson Nat. Hist. Soc. Organized, 1874. Flavel S. Thomas, Sec.

Harvard Natural History Society. Founded, 1837. W. W. Nolen, Pres.; Edw. C. Mason, Cor. Sec. The Society especially desires to form a coll. of the plants, animals and minerals of Massachusetts.

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Historical, Natural History and Library Society, South Natick. Incorporated, 1873. G. J. Townsend, M.D., Pres.; Rev. J. P. Sheafe, Cor. Sec. Library and Collection.

Lyceum Nat. Hist., Williams College, Williamstown. Founded, 1835. J. R. Adriance, Pres.; A. H. Burnell, Cor. Sec. Collection.

Massachusetts Horticultural Society, Boston. Organized, 1829. William H. Spooner, Pres.; Robert Manning, Sec. and Lib.; Wyllys Gannett, Treas. and Supt. of building. The Library contains between five and six thousand books and 2.000 pamphlets on Botany and Horticulture, and is the best Horticultural Library in the U. S.*

Middlesex Institute, Malden. Organized, 1878. L. L. Dame, Medford, Pres.; F. S. Collins, Malden, Sec.*

Museum of Comparative Zoology, Cambridge. Alex. Agassiz, Director. Publishes "Bulletin" and "Memoirs."*

Nat. Hist. Society of Newton. Chartered, 1873. Wm. Carver Bates, Pres.; Wm. A. French, Sec.*

Nuttall Ornithological Club, Cambridge. Organized, 1873. Wm. Brewster, Pres.; Henry M. Spelman, Sec.*

Peabody Academy of Science, Salem. Founded, 1867, by George Peabody, of London, and contains Ethnological Coll. East India Marine Soc. (1799), Nat. Hist. Coll. Essex Inst. (1834) as permanent deposits, and large accessions made since 1867 by the trustees. Pubs. Memoirs (2 vols). Annual reports (19 in 9 numbers). Classes and lectures in botany, zoology, mineralogy, etc. Wm. C. Endicott, Pres; Edw. S. Morse, Dir.; John Robinson, Treas., in charge of Museum. Special collections, Ethnology in general, and Zool. and Arch. of Essex County, Mass. Museum ranks among the most valuable in the country.

Peabody Mus. of Am. Archæology and Ethnology, Department of Harvard Univ., Cambridge. Founded, 1866. F. W. Putnam, Peabody Prof. of Am. Arch. and Eth., Curator.*

Springfield Botanical Society. Organized, April 20, 1877. Everett A. Thompson, Pres.; Miss Clara Bell, Sec. Collection.

Springfield Science Association. Organized, March 12, 1881. Geo. A. Denison, Pres.; E. H. Smiley, Sec.

Worcester Natural History Society. Organized, Dec., 1852; incorporated, April 16, 1853. E. H. Forbush, Pres.; Dr. C. L. Nichols, Treas.; H. D. Braman, Sec. Museum.

## MICHIGAN.

Adrian Agassiz Association, Chapter 687, Adrian. Edw. J. Stebbins, Sec.

Adrian Scientific Society, Adrian. Incorporated, 1881. Prof. W. H. Howard, Pres.; Fred'k B. Stebbins, Sec.*

Ann Arbor Scientific Association. M. E. Cooley, Pres.; Chas. K. McGee, Sec.

Detroit Scientific Association. Incorporated, March 21, 1865. J. C. Holmes, Pres. Museum.

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Kent Scientific Institute, Grand Rapids. E. S. Holmes, Pres.; C. A. Whittemore, Sec.*
The Griffith Club of Microscopy, Detroit. W. H. Brearley, Pres.; B. W. Chase, M.D., Sec.

## MINNESOTA.

Minnesota Academy of Natural Sciences, Minneapolis. Organized, Jan. 4, 1873. Dr. P. L. Hatch, Pres.; C. S. Fellows, Cor. Sec. Location, Third floor of the Minn. Pub. Library Bldg. Museum open daily. "Publishes Bulletin."*
Minnesota Historical Society of St. Paul.
St. Paul Academy of Natural Sciences. G. N. Carman, Pres.; L. B. Wilson, Cor. Sec.; C. B. Scott, Curator.*

## MISSOURI.

Academy of Science, St. Louis. Organized, 1857. Prof. F. E. Nipher, Pres.; Edw. Evers, M.D., Cor. Sec. Publishes "Transactions" and "Proceedings." Has Room, Library and Museum in Wash. Univ. buildings.*
Missouri Historical Society, 1600 Lucas Place, St. Louis. Archæological Museum. Desires to purchase or exchange objects suited to the extension of this department.*

## NEW HAMPSHIRE.

Exeter Natural History Society. Organized, Dec. 7, 1874; incorporated, June, 1876. John J. Bell, Pres.; Albion Burbank, Sec. Museum and Library.
Keene Natural History Society. G. A. Wheelock, Pres.; D. W. Gilbert, Sec.

## NEW JERSEY.

Atco Natural Science Society. Incorporated, 1868. M. J. Skinner, Pres.; A. R. Sloan, Cor. Sec. Library and Museum. Wood and Bot. spec. for ex.
Newark Entomological Society, 82 South Orange Ave. Meetings on first and third Thursdays of each month. C. P. Machesney, Sec. *Ent.: Hymenop., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., Arach.**
New Jersey State Microscopical Society. Instituted, April 17, 1871; incorporated, Feb. 16, 1880. Rev. Samuel Lockwood, Freehold, N. J., Pres.; Prof. F. C. Van Dyck, New Brunswick, N. J., Sec. Meets monthly in Geological Hall, Rutgers College, New Brunswick.
Princeton Acad. of Sci., Princeton. Jacob Miller, A.M., Pres.; F. M. Herrick, Cor. Sec.
Princeton Science Club. Organized, 1877. H.D. Thompson, Sec.*

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## NEW YORK.

Agassiz Association, Chapter 811, Nyack-on-Hudson. Organized in 1884, for the study of the various depts. of Nat. Sci. Meetings are held on the second and fourth Wed. evenings in each month, excepting July and August. G. D. Wilson, Pres.; Miss Emma Partridge, Sec.; J. C. Gregory, Cor. Sec.

Albany Institute. Incorporated, March 12, 1793. Leonard Kip, Pres.; Ernest J. Miller, Cor. Sec. Library and Collection.*

American Astronomical Society. Organized, Jan., 1883. S. V. White, Pres.; G. P. Serviss, Sec., 8 Middah St. Meets first Monday in each month at the Packer Institute, Brooklyn, N. Y. Members, 60.

American Chemical Society, University Building, Washington Sq., New York City. Incorporated, Nov. 10, 1877. Prof. Chas. B. Nason, Troy, N. Y., Pres.; A. C. Hale, Brooklyn, N. Y., Cor. Sec. Library. Librarian, Wm. Rupp, New York, N. Y.*

American Geographical Society, 11 W. 29th St., New York City.*

American Institute of Mining Engineers. Abram S. Hewitt, New York City, Pres.; Rossiter W. Raymond, 13 Burling Slip, New York City, Sec.*

American Microscopical Society of City of New York, 12 East 22d St. J. B. Rich, M.D., Pres.; O. G. Mason, Sec.

American Museum of Natural History, Central Park, New York City. Incorporated, 1869. Morris K. Jesup, President. Publishes "Bulletin" and "Annual Report." Library of 13,000 volumes and Museum.*

American Society of Microscopists. Geo. E. Fell, M.D., Buffalo, N. Y., Pres.; Prof. T. J. Burrill, Champaign, Ill., Sec.*

Brooklyn Entomological Society. G. W. T. Angell, Pres.; Wm. Beutenmueller, Cor. Sec. Publishes "Entomologica Americana." Address, Brooklyn, N. Y. Meetings first Tuesday of each month at Saengerbrund Hall, Brooklyn.

Brooklyn Microscopical Soc. Organized, Feb., 1881. Meetings second and fourth Tuesday in the month. Members, 60. G. D. Hiscox, Sec., 435 Greene Ave.

Buffalo Microscopical Club. Organized, 1876. James W. Ward, Pres.; Dr. W. C. Barrett, Sec.

Buffalo Society of Natural Sciences. Organized, Dec. 5, 1861. Hon. David F. Day, Pres.; Dr. Wm. C. Barrett, Cor. Sec. Museum and Library.*

Central New York Microscopical Club, Syracuse. Incorporated, May 28, 1883. A. Clifford Mercer, M.D., F.R.M.S., Pres.; Newton Hall, 2nd, Sec. Over 40 members.

Central Park Menagerie, New York City. William A. Conklin, Ph.D., Director.*

Cornell Nat. Hist. Soc., Cornell Univ., Ithaca. H. Hicks, Sec.*

Elmira Microscopical Society. Dr. S. O. Gleason, Pres.; Professor Ford, Ph.D., Vice Pres.; Thad. S. Up de Graff, M.D., F.R.M.S., Sec.

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Jamestown Microscopical Society. Organized, 1873. A. Waterhouse, M.D., Pres.; Prof. S. G. Love, Sec.

Lockport Agassiz Society, 45 Niagara Ave., Lockport. George W. Pound, Cor. Sec.

Microscopical Society of Canandaigua. Dr. O. J. Hallenbeck, Pres.; Dr. R. W. Walmsley, Vice-Pres.; Dr. Chas. T. Mitchel, Sec. and Treas.*

Natural Science Association of Staten Island. N. L. Britton, Ph.D., Pres.; Arthur Hollick, Cor. Sec. P. O. Box 105, New Brighton.*

New York Academy of Sciences (late Lyceum of Natural History), New York City. Incorporated, April 20, 1818. John S. Newberry, Pres.; A. A. Julien, Cor. Sec. Annual meeting, fourth Monday in February. The publications of the Academy consist of the "Annals," and the "Proceedings."

New York Entomological Club. A. R. Grote, Pres.; B. Neumogen, Treas.; Henry Edwards, Sec. Meets bi-monthly, 185 East 116th St.

New York Microscopical Society, 64 Madison Ave., New York City. Organized, November 14, 1877. Rev. J. L. Zabriski, Pres.; Benjamin Braman, Cor. Sec., 44 E. 30th St., New York, N. Y.

New York Society for Medico-Scientific Investigation, 201 East 23d St., New York. Pres. for 1890, Charles Deady, M.D., 11 E. 29th St.; Vice Pres., C. W. Cornell, M.D., 343 W. 29th St.; Sec. for 1890, Malcolm Leal, M.D., "The Albany," 52d St. and Broadway. Library. Desires to ex. medical and scientific books and specimens.*

Rochester Academy of Science. Albert Cronise, Pres.; H. T. Braman, Cor. Sec.

The Brooklyn Institute, Brooklyn, N. Y. *Bot.*, *Palæo.*, *Geol.*, *Min.*, *Chem.*, *Phys.*, *Elect.*, *Mic.*, *Photog.*, *Meteo.*, *Ast.*, *Zool.*, *Anth.*, *Arch.*, *Philol.*, *Ent.* C. Ex.

Torrey Botanical Club, New York City. Organized, January, 1873. J. S. Newberry, Pres.; Miss Helena C. Gaskin, Cor. Sec. Publishes "Bulletin."

Troy Scientific Association. Organized, 1870; incorporated, 1874. R. H. Ward, M.D., Pres.; Geo. H. Ennis, Cor. Sec.*

Vassar Brothers' Institute, Scientific Section, Poughkeepsie. Henry V. Pelton, Pres.; Dr. W. G. Stevenson, Curator of Mus.; Edward Elsworth, Chairman Sci. Section.*

Warner Observatory, Rochester. Lewis Swift, Ph.D., F.R.A.S., Director.*

## NORTH CAROLINA.

Elisha Mitchell Scientific Society, Chapel Hill. Library. Semi-annual Journal, F. P. Venable, Sec.*

## OHIO.

Agassiz Scientific Association, Delaware. Organized, April 4, 1876. Prof. E. T. Nelson, Pres.; R. E. Hills, Sec.



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Central Ohio Scientific Association, Urbana. Established, October, 1874. S. M. Mosgrove, Pres.; T. F. Moses, Cor. Sec.*

Cincinnati Society Natural History, Broadway and Arch Sts. Organized, Jan. 19, 1870. Library and Museum. Members, 230. Publishes Quarterly Journal. Col. James W. Abert, Pres.; Dr. James A. Henshall, Sec.*

Cuvier Club, 34 Longworth St., Cincinnati. Organized, Jan. 1, 1875. L. A. Harris, Pres.; J. J. Glidden, Cor. Sec.

Kirtland Society of Natural Sciences, Case Block, Cleveland. Organized March 17, 1869. Dr. E. Sterling, Cleveland, Ohio, Cor. Sec. Library and Museum.

Licking County Pioneer Historical and Antiquarian Society. Isaac Smucker, Pres.; E. M. P. Brister, Cor. Sec.; James H. Smith, Custodian.*

Literary and Scientific Society, Madisonville. Hon. Joseph Cox, Pres.; Charles F. Low, Sec.

## PENNSYLVANIA.

Academy of Natural Sciences of Philadelphia. Founded, March 12, 1812. Joseph Leidy, M.D., Pres.; G. H. Horn, M.D., Cor. Sec.; Edw. J. Nolan, M.D., Rec. Sec. Publishes "Proceedings" and "Journal."*

American Entomological Society, Philadelphia. Incorporated, 1862 Horace Jayne, M.D., Cor. Sec. Publishes "Transactions."*

American Philosophical Society, Philadelphia. Founded, May 25, 1743. Frederick Fraley, Pres.; Fred. Fraley, Dan. G. Brinton, Henry Phillips, jr., George H. Horn, Geo. F. Barker, Secretaries. Publishes "Proceedings" and "Transactions."*

Chester County Acad. of Arts and Sciences. Prof. G. M. Phillips, Pres.; Samuel P. Marshall, Sec.*

Erie Natural History Society, Erie. G. Guttenberg, Pres.; Miss Sarah Madole, Cor. Sec.

Lackawanna Institute of History and Science, Scranton, Pa. J. A. Price, Pres.; J. H. Fisher, Sec. C. Ex. Coal fossils to ex. for min. specimens.*

Lehigh Valley Microscopical Society. Founded, May 19, 1881. Dr. Trail Green, Pres.; Dr. Brentano Clemens, Sec.*

Lewisburg (Pa.) Scientific Society. Rev. Dr. J. R. Loomis, Pres.; Dr. Geo. G. Groff, Sec.

Linnæan (Scientific and Historical) Society, Lancaster. Organized, February 15, 1862; chartered, August 30, 1865. Hon. J. P. Wickersham, Pres.; Mrs. S. P. Eby, Cor. Sec. Large Museum and Library.*

Lyceum of Natural History, Marietta. Geo. W. Mehaffey, Pres.; I. S. Geist, Sec. Museum and Library.*

Mineralogical and Geological Sections of A.N.S.P. T. D. Rand, Dir.; A. E. Foote, M.D., Sec. Publishes "Proceedings."

Numismatic and Antiquarian Society, Philadelphia. Founded, Jan. 1858, Daniel G. Brinton, Pres.; Henry Phillips, jr., Sec. Publishes "Proceedings."*

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Reading Society of Natural Sciences. Instituted, January 1, 1869; incorporated, Nov. 8, 1869. Henry Landis, M.D., Pres.; M. A. Rhoads, M.D., Sec. Library and Collection.

Spencer F. Baird, Naturalist Association, Reading. Organized, April 1, 1882. James Keiser, Pres.; Harry G. Mayer, V. Pres.; T. A. Kendall, Sec. and Treas. Museum and Library. The Association desires to exchange minerals for others for its cabinet. Please send lists.*

West Chester Philosophical Society. D. M. Sensenig, Pres.; J. Newton Huston, Cor. Sec.

Wyoming Historical and Geological Society, Wilkes-Barré. Incorporated, 1858. Hon. E. L. Dana, Pres.; Sheldon Reynolds, A.M., and S. E. Struthers, Secretaries. Publishes "Proceedings." C.

Zoological Society of Philadelphia. Incorporated, 1859. Frederick Graff, Pres.; Thos. Hockley, Secretary; Wm. Hacker, Treas.*

## RHODE ISLAND.

Providence Franklin Society, 54 No. Main Street. Chartered, 1823. C. M. Salisbury, Pres.; C. R. Browne, Sec. Annual meeting first Tuesday in January.*

Rhode Island Horticultural Society, Providence. Instituted, Sept. 6, 1845; incorporated, Jan., 1854. Edward I. Nickerson, Pres.; Charles W. Smith, Treas.; Thos. K. Parker, Cor. Sec.*

## TEXAS.

Texas Museum, Scientific and Literary Association, San Antonio. Dr. Isidor Lerinthal, Pres.; C. Runge, Sec.

## UTAH.

Museum of Natural History, Salt Lake City. Geo. Reynolds, Curator.*

## VIRGINIA.

Jamestown Microscopical Society. Organized, 1873. A. Waterhouse, M.D., Pres.; S. W. Baker, Sec.

Richmond Microscopical Society. Chartered, 1880. Dr. Henry Froehling, Pres.; Dr. Wm. Gascoyne, Vice Pres.; G. A. Pepley, Sec.; Thomas Christian, Treas.

## WISCONSIN.

Wisconsin Natural History Society, care of Milwaukee Public Museum, Milwaukee.*

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## BERMUDA.

Peniston, Annie M., Penistons, The Flatts. *Moll.* C. Ex. Shells of Bermuda for those of other localities. Sea-shells preferred, and only good specimens desired.

## CENTRAL AMERICA.

### COSTA RICA.

Carmigol, San José. *Bot.*
Pittier, H., San José. *Geog. Dist. of Plants.*

### GUATEMALA.

Farfan, Dr. José, Prof. Univ., Guatemala. *Bot.*
Greick, Juan, Bot. Coll., Guatemala. *Bot.*
Luna, Dr. David, Prof. Univ., Guatemala. *Phys.*, *Chem.*, *Bot.*
Peper, E., Guatemala. *Ent.*
Rockstroh, Edwin, National Institute, Guatemala. *Zool.*
Rodriguez, Juan José, Dir. Zool. Mus., Guatemala. *Bot.*, *Gen. Zool.*
Sarg, Francis C., Vice-Consul German Empire, Coban. *Zool.*, *esp. Spiders and Fresh Water Fishes.*
Stoll, De Otto, Guatemala. *Myriopoda.*
Türckheim, Freiherr H. von, Coban, Alto Vera Paz. *Bot.*, *Lepid.* C. Ex.
Yela, Dr. Joaquim, Prof. Univ., Guatemala. *Bot.*, *Nat. Hist.*

### HONDURAS.

LeBaron, G. Fras., Greytown, Nicaragua. *Birds*, *Mammals*, *Alcoholic Spec. and Antiq.*
Thieme, Dr. Carolo, San Pietro. *Bot.*, *Ent.*, *Con.* C. Ex.

### NICARAGUA.

Calderon y Arana, Salvador, Leon.
Clay, T. H., Matagalpa.
Downing, Dr. Alex A., Granada. *Anth.* Ex. for any kind of specimens new to Nicaragua.
Flint, Earl, Rivas. *Antiquarian*, *Arch.*
Harper, Henry, Granada. *General Science.*
Harper, Col. I. H., Rivas. *Nat. Hist.*
Henry, William, Granada. *Reptiles.*
Janson, E. M., Las Lajas, Chontales. *Ent.*
Levy, Paul, Granada. *Bot.*

### SAN SALVADOR.

Ulex, Oscar, San Salvador. *Lepid.*, *Coleopt.* C.

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## GREENLAND.

Taylor, Joseph Walter, Noungme.

## MEXICO.

Aguilar, Panciano, Guanajuato. *Mining Engineer.*
Ajuria, Agustin, Guanajuato. *Mining Engineer.*
Alcacio, Donaciano, City of Mexico. *Bot.*
Alcaráz, Ramon Y., City of Mexico. *Agric.*
Altamirano, Fernando, City of Mexico. *Bot.*
Altamirano, Ignatius M., "La República," City of Mexico.
Anda, Francisco de, M.E., Manager of the Mint, Guanajuato.
Anda, Luis de, M.E., Assayer of the Mint, Guanajuato.
Anda, Manuel de, M. and C.E., Manrique, 6, City of Mexico. *Strat. Geol., Min., Metall., Meteo.*
Andanegui, Juan B., Pinos, Zacatecas. *Min.*
Angulano, Angel, Tacubaya. *Ast.*
Arevalo, Dr. José S., Morelia. *Nat. Hist.*
Arriaga, José Joaquin, Mem. Mex. Nat. Hist. Soc., City of Mexico. *Bot., Zool.*
Ayme, Luis H., Merida, Yucatan. *Arch.*
Barcena, Mariano, Director del Observatorio Central, Prof. de Geol. and Palæo., Museo Nacional, City of Mexico. *Geology.* C.
Barroeta, Prof. G., M.D., San Luis Potosi. *Phys., Zool., Bot.* C. Ex.
Barroso, Agustin, City of Mexico. *Bot.*
Blanco, Luciano, Guadalajara. *Mining Engineer.*
Blazquez, Prof. Ignacio, Nat. Hist. Coll., Puebla. *Bot.*
Bonilla, J. A., Zacatecas. *Min.*
Cervantez, Faustino, Calle de la Esampa, 2, Morelos.
Chazaro, M. M., Tlacotalpam. *Bot.*
Chico, Dr. Jesus, Hospital, Guanajuato. *Hygiene.*
Contreras, Juan N., Guanajuato. *Mining Engineer.*
Contreras, Manuel, Colegio del Estado, Guanajuato. *Ast.*
Crespo, Gilberto, City of Mexico. *Min.*
Cubas, Antonio G., City of Mexico.
Dondé, R. Juan, Prof. Pharm., Chem. and Nat. Hist., Calle de los Rosados, No. 48, Merida, Yucatan. *Bot., Zool., Ent.: Coleopt., Orn., Chem.* C. Ex.
Dugès, Alfredo, Prof. Nat. Hist., Colegio del Estado, Guanajuato. *Zool., Bot., Vert., especially Reptiles.* C.
Dugès, Dr. Eugène, Tupataro, Guanajuato. *Coleopt.*
Endner, Agustin, Assayer of the Mint, Oaxaca.
Fernandez, Leandro, Mexico. *Ast.*
Fernandez, Vicente, Prof. de Farmacia, Colegio del Estado, Calle de Pocitos del Cereza, Guanajuato. *Meteo.* C. Ex. Mexican birds for those of China and Australia.

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Finck, Hugo, Cordova. *Arch., Bot., Geol.*
Flores, Dr. Reyes G., Calle de St. Domingo, Guadalajara. *Bot.*
Fornel, Ing. Manuel, Museo Nacional, Mexico. *Min.*
Garcia, Dr. Crecensio, Cotija Michoacan. *Nat. Hist., Geol.* C. Ex.
Garcia Icazbalceta, Joaquin, City of Mexico.
Glennie, Francisco, Guanajuato. *Mining Engineer.*
Gonzala, J. Eleuterio, Monterey. *Bot.*
Gonzalez, Jesus, City of Mexico. *Bot.*
Guevara, Ignacio, Guadalajara. *Math.*
Gutierrez, José M., Ameca, Jalisco. *Bot.*
Heinemann, Dr. C., Vera Cruz. *Physiol.*
Herrera, Alfonso, Escuela Nacional Preparatoria ó 2, Calle de S. Juan, 4, City of Mexico. *Bot.*
Huacuja, Francisco F., Botica de San Francisco, Morelia. *Pharmacy. Chem.*
Ibanez, Joaquin, Mem. Nat. Hist. Soc., Puebla. *Bot.*
Iparraguirre, Francisco Fernandez, Pharmacien, Guadalajara. *Bot.* C.
Iturbide, Gomez Dr. Luis, C. de la Pila de Zarate, 10, Morelia. *Medicine, Surgery.*
Jimenez, Francisco, Colegio del Estado, Guanajuato. *Phil.*
Johnson, Wm. D., jr., Colony Diaz, Canton Galiano, Chihuahua. *Ent.* C. Ex.*
Landero, C. F. de, Ingénieur Geographe et des Mines. Inspecteur des Mines. Prof. de Chimie à l'Ecole des Ingénieurs. P. O. Box 34, Guadalajara. *Min., Chem., Glad., Ast.* C. Ex.
Lazo de la Vega, J. M., City of Mexico. *Bot.*
Leon, Miguel Velazquez de, M.E., Hacienda de Pabellon, Aguas Calientes. *Mining, Agriculture.* Can procure silver, copper and lead ore samples under an industrial point of view.
Lilliendahl, A. W., Mining Eng., Guanajuato, Mex. *Min.* C. Ex.*
Lobato, Flavio, Guanajuato. *Min.*
López, Cárlos M., Aguas Calientes.
Lopez, Dr. Francisco, Calle 68, Morelos. *Meteo.*
Malo, Alberto F., Rendicion de Pastiti, Guanajuato. *Mech. Engineer.*
Mariano Leal, Leon E. de, Guanajuato. *Chem., Meteo.* C. Ex. Has meteorological data for three years.
Medal, Dr. Melesio, Patzcuaro Michoacan. *Meteo., Bot.*
Médico, Paramo, City of Mexico. *Meteo.*
Mendivil, Cirilo Gomez, Lagos. *Agric.*
Mendoza, Gumesindo, City of Mexico. *Bot.*
Monroy y Salazar, Pedro L., San Luis Potosi. *Min.*
Moreno, Aniceto, Orizaba. *Bot.*
Munoz, Rudolfo, Real del Monte. *Mining Engineer.*
Muro, Luis, Colegio del Estado, Guanajuato. *Min.*
Navia, Severo, Prof. School of Mines, Guanajuato. *Min.*
Ochoa, Juan, City of Mexico. *Min.*
Oliva, Sabino, Guadalajara. *Bot.*

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Oluda, Luis, Guanajuato. *Mining Engineer.*
Orages, Pablo, Guanajuato. *Mining Engineer.*
Párres, Joaquin, M. and C.E., Guanajuato. *Geol., Min., Crystall., Lithol., Metall., Palæo.* C. Ex. mins. and rocks.
Pascal, Agustiss v., Guadalajara. *Ast., Geol.*
Peñafiel, Antonio, Dr., Dir. general de Statistique de Mexique. *Philologue Mexican et Antiquaire.*
Penzuela, Luis Rables, Calle S. José, Guanajuato. *Mining Engineer.*
Perez de Arce, Facundo, Guadalajara.
Perez, Lalara, Chemist and Druggist, Prof. in the Institute of Science, Calle de Santa Teresa, 18, Guadalajara. *Chemistry and Pharmacy.*
Perez y Arce, Manuel, Chemist and Druggist, Calle de Santa Monica, 4, Guadalajara. *Pharmacy and Chemistry.*
Peza, Juan de Dios, City of Mexico.
Pleace, Arthur W., Aparlado No. 4, Guanajuato, Mexico. *Vert. Palæo., Vert. Anat., Philol., Vert.*
Prieto, Raoul, P. O. Box 84, Guadalajara. *Chem., Min., Elect., Ast., Meteo.* C. Ex.
Puente, Feliciano G., Boticario, Morelos. *Pharmacy.*
Puga, Nicolais, Guadalajara. *Chem.*
Quijano, Ficaro, Mazatlan. *Bot.*
Rables, Dr. Joaquin, Calle Sn. Felipe Neri, 19, City of Mexico. *Surgery.*
Ramirez, Dr. José, Prof. de Zool. en el Museo Nacional y en la Escuela de Agricultura, City of Mexico. *Zool., Mic., Anth.*
Ramirez, Santiago, Calle de Buenavista, 15, City of Mexico. *Mining Engineer.*
Ramos, José, City of Mexico. *Bot.*
Reyes, Manuel O., City of Mexico. *Bot.*
Reynoso, Francisco, M.E , Prof. de Fisica en el Colegio del Estado. *Geol., Min., Crystall., Lithol., Metall., Physics.* C. Ex.
Rocha, Ignacio G., Calle de Sopena, Guanajuato. *Mining Engineer.*
Romero, Carlos, Prof. de Géologie et de Paléontologie au Collége, Guanajuato.
Salgado, Dr. Francisco, Colegio del Estado, Guanajuato. *Pathol.*
Sanchez, Jesus, Museo Nacional, City of Mexico. *Zool.**
Santibañez, Dr. Abraham, Colegio del Estado, Guanajuato. *Anat.*
Sauri, Ricardo, M.D., Merida, Yucatan. *Ent.*
Segura, José, City of Mexico. *Bot.*
Sepúlveda y Lucio, Fernando, Licenciado en Farmacia, Plaze, 6, Farmacia, Villa de Brihuega, Guadalajara. *Botany.* C. Ex.
Silva, J., Zacatecas. *Geol.*
Socket, Sherman G., Corralitos. *Metall.*
Sumichrast, Prof., Tehuantepec. *Bot., Zool.*
Tena, Dr. Miguel, Botica de Guadalupe, Catarinas, 16, Morelia. *Bot., Meteo., History.* C. Ex.
Tonel, Jean, Cardova. *Bot.*
Unacuja, Francisco, Zacatecas. *Pharm., Bot.* C. Ex.
Urbina, Manuel, City of Mexico. *Bot.*
Valazco, Sr. José M., Museo Nacional, City of Mexico. *Zool.*

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Valle, Felipe, Tacubaya, D.F. *Ast.*
Villada, Manuel, Nat. Museum, City of Mexico. *Bot., Zool.*
Wadgymar, L. A., City of Mexico. *Zool., Orn., Bot.* C.
Weidner, Dr. Frederick, Mazatlan. *Geol.*
Yarate, Francisco P., Zacatecas. *Mining.*

### MIQUELON, L'ILE.

Delamare, Dr. E., Ile Miquelon, North Am. *Bot.*, et specialement *Lichens, Sphagnum.*

### NEWFOUNDLAND.

Fowler, Great Placentia. *Mining.*
McKendrick, Neil, Great Placentia. *Mining.*
Murray, Alexander, C.M.G., F.G.S., Dir. Geological Survey of St. John's. *Palæo., Geol., Lithol., Chem.* C. Ex.
Somerville, Beverly R., M.D., Western Bay. *Medicine, Arch., Gen. Antiq., Eth.* Correspondence solicited from those desiring rare or current Postage Stamps.

## WEST INDIES.

### ANTIGUA.

Nicolson, Dr., Antigua. *Bot.*

### BAHAMA ISLANDS.

Saunders, Harry R., Nassau, N. P. *Ferns, Algæ, Sponges, Sea Shells.*

### BARBADOES.

Webb, Right Rev. T. W., Prin. Coddington Coll.

### CUBA.

Aguiar, Mauricio, Alfonzo y, Ingenio Demolido, Santo Cristo. *Lepidoptera.* C.
Aguilera, Caventano, Rue O'Reilly, 42, Havana.
Aguilera, Manuel Antonio, Rue O'Reilly, 42, Havana.
Babé, Dr., Con. del Museo de Historia Natural de la Acad. de Ciencias médicas, físicas y naturales, Calle de San Isidro, Havana. *Moll.* C.
Blain, José, San Cristobal. *Bot.*
Cabrera y Martinez, José, Santa Maria del Rosario. *Lepid.*
Casals y Sust, Jorge, Calle de Galiano, 69, Havana. *Lepid.*
Cisneros, Andrés M. de, Cardenas. *Con.* Ex.
Clark, Francisco, Rector del Colegio de los Bdoz Escolapios de Guanabacoa. *Min., Moll.* C.

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Garro, Felix Suarez, Calle de Manrique, 111, Havana. *Lepid.*
Gordon (D. Ant. M. de) Univ., Havana. *Ent.**
Gundlach, Juan, Ph.D., Calle Virtudes, 109, Havana. *Mam.*, *Orn.*, *Herpetol.*, *Con.*, *Ent.* C. of the Cuban sp.*
Gutierez, Dr. José Nicolas, Rector de la Univ., Calle del Sol., Havana. *Zool.*, *Moll.* C.
Lachaume, Jules, Dir. of the Acclimatation Garden, Havana. *Bot.*
Latorre, Carlos, Colegio de San Carlos, Matanzas. *Zool.* C.
Martin, Angel, Mauranillo. *Orn.*
Martinez, José Cabrera, Sta. Maria del Rosario, Cotorro. *Ent.*: *Lepid.* C. Ex. Correspondence in French or Spanish.
Morales, Dr. Sebastian A. de, Calle de Verlarde, 5, Matanzas. *Bot.*
Poey, Dr. Felipe, Calle de San Nicolas, 96, Havana. *Ichth.*
Presas, J. Manuel, Matanzas. *Bot.*
Reinoso, Fernando, Calle de las Animas, 135, Havana.
Santos Fernandez, Dr. Juan, Paseo de Tacon, Carlos III, Quimba de Foca, Havana.
Sauvalle, Francisco A., Havana. *Bot.*
Yradi, José, Cayetano. *Ent.*

## CURACOA.

Wills, J., Lainson, care Messrs. Evertez, Curaçoa. *Min.*

## DOMINICA.

Nicholls, Henry Alfred Alford, M.D., F.L.S., M.R.C.S., Corr. Memb. N. Y. Acad. Sci., Dominica. *Nat. Hist.*, *Zool.*, *Bot.* C.

## GRENADA.

Wells, John Grant, St. George. *Orn.*, *Ool.**

## GUADELOUPE.

Bonâme, P., Dir. Agric. Station, Pointe à Pitre. *Bot.*
Colardeau, Dr. St. Felix, Basseterre. *Bot.*

## JAMAICA.

Allen, Dr., Kingston. *Polycystina.*
Bancroft, Espeut, William, F.L.S., Spring Garden, Buff Bay. *Bot.*, *Geol.*, *Chem.*, *Elect.*, *Meteo.*, *Zool.*
Bowrey, James John, F.C.S., F.J.C., Gov't Analytical Chemist, Kingston. *Chem.*, *Ent.*, *Gen. Nat. Hist.*
Brennan, J. F., District Engineer's Office, Kingston. *Physical Science.*
Bürger, Herman John, 88 King St., Kingston. *Geol.*, *Min.*, *Nat. Phil.*, *Ast.*, *Meteo.**
Cockburn, N. S., 14 East St., Kingston. *Ent.* C. Ex.
Elliott, Wm. R., Supt. Kings House, Kingston. *Gen. Economic Plants.*



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Davis, L. Foster, Electrician, 19 Port Royal St., Kingston.
Fawcett, Wm. B., Sc., F.L.S., Director of Public Gardens and Plantations, Chincona, Gordontown. *Gen. Bot.* (Formerly of Brit. Mus. of Nat. Hist., London.)*
Gilbert, Wm., Harbour St., Kingston. *Mic.*
Hall, Maxwell, M.A., F.R.A.S., F. R. Met. Soc., Jamaica, W. I. *Meteo., Ast.**
Harris, Wm., Supt. Botanic Gardens, Kingston. *Palms, Ferns, Orchids, etc.*
Henderson, Dr. G. C., Gordontown. *Mic.*
Hutchings, L., Kingston. Ex. *Jamaica Ferns, Land Shells.**
Institute of Jamaica. Founded 1879. The Rev. Alex. Robb, D.D., Chairman; H. Priest, Sec. Museum and Library.
Mais, Rev. J. L., Walton. *Lepid.*
Vendryes, Henry, Solicitor, Kingston. *Con. and Fossils.*

## MARTINIQUE.

Thiery, Mons., Martinique. *Maladies de plantes, Gen. Bot.*

## PORTO RICO.

Alfau y Baralt, Antonio, San Juan. *Coleopt., Lepid.*
Guillerna, Cesar de, Ingeniero de Montes, San Juan. *Bot.*
Stahl, Dr. Augustin, Rayamon. *Moll.*
Vasconi, Dr. Angel, Ingeniero de Minas, San Juan. *Min., Geol., Palæo.*

## ST. THOMAS.

Bryan, C. E., St. Thomas, Collector. *Bot.: Ferns, Mosses, Algæ, Crustacea, Moll., M., L. and F. W. Shells.* C.
Calderon, H. Charles, St. Thomas. *Bot., Herbarium specimens of the Flora of St. Thomas for sale.* Has thoroughly studied the medicinal plants of the Island and will extend researches to other portions of the W. I. Has commenced a medical herbarium and will prepare sets for distribution should sufficient inducement offer. C. Ex.
Eggers, H. F. A. Baron, St. Thomas. *Bot.*

## SANTA CRUZ.

Dahl, Christian, Santa Cruz. *Bot.*

## SAN DOMINGO.

Dehoux, Dr. J. B., Dir. Med. Sch., Port-au-Prince. *Bot.*
Droit, Prof. J., Medical School, Port-au-Prince. *Bot.*

## TRINIDAD.

Broadway, W. E., Asst. Supt. at Botanical Dept., Trinidad.*

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Caracciolo, Henry, Customs, Port of Spain, Trinidad. *Mic. Photo., Ent., Lepid., Coleopt., Hemipt., Orthopt.* C. Ex.*

Guppy, R. J. Lechmere, F.L.S., F.G.S., Superintendent of Education, Trinidad. *Geol., Con.* C.

Harrison, J. B., Government Analytical Chemist, Georgetown. *Chem.**

Hart, John Hinchley, F.L.S., Superintendent Botanical Department, Trinidad. *Bot., Ent., Mic., Algæ, Cryptogamia.* C. Ex.*

Marshall, Rev. T. A., M.A., Golconda Estate near San Fernando. *Ent.*

# SOUTH AMERICA.

## ARGENTINE REPUBLIC.

Aguirre, Eduardo, Ing. Catedrático de Mineralogía y Geología en la Universidad de Buenos Ayres.

Ameghino, Dr. Florentino, Vice director del Museo Provincial de La Plata.

Arata, Dr. Pedro N., Catedrático de Química Medica en la Universidad y Dir. de la Oficina Química Municipal de Buenos Ayres.*

Balbin, Dr. Valentin, Catedrático de Matematicas superiores en la Universidad de Buenos Ayres.

Beale, Charles, C.E., 83 Calle Progress, Rosario de Santa Fé, Argentine Republic. *Geol.* C. Ex. Offers coal measure fossils or Upper Silurian. Wants mound implements or remains.*

Berg, Dr. Carlos, Catedrático de Zoología y de Botánica en la Universidad y de Historia Natural en el Colegio Nacional de Buenos Ayres. Casilla de Correo, 169. *Ent. gen.* C.*

Beuf, Francisco C., Director del Observatorio Astronómico Provincial de La Plata.

Burmeister, Dr. Hermann, Director del Museo Nacional de Buenos Ayres. *Zool.*

Carvajal y Rueda, D. Basilio, Licenciado en Ciencias y en Farmacia, C. de Moreno, 196, Hotel del Sur, Buenos Aires.*

Döring, Dr. Adolfo, Catedrático de Química en la Universidad de Cordova. *Geol., Palæo. and Con.*

Doeriug, Dr. Oscar, Prof. of Phys. in the Nat. Univ., Pres. of the Nat. Acad. of Sci. of the Argentine Republic. Dir. of the Meteorological Service of the Province of Cordova Ex.-Consul to the German Empire. Cordova. *Phys., Meteo., Terrestr. Magnetism, Geog.*

Freire, Prof. Dr. Domingos José, Med. School, Rio de Janeiro. *Org.*

Frenzel, Dr. Juan, Catedrático de Zoología en la Univ. de Cordova.

Gallegos y Sardina (Ventura), Licenciado en las Facultades de Medicina y Ciencias (Seccion de Fisico-químicas), Catedrático de Química en el Colegio Nacional, y de Historia en el Departamento Agronómico, Socio corresponsal de la Academia Medico-quirúrgica española y de las entomológicas de Bélgica y Stettin, Mendoza.*

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Günther, Guillermo, Maestro Pintor en los Talleres del Ferro-Carril del Oeste en Tolosa (La Plata). *Coll. of Ins.* Ex.*

Hilzinger, Jorge, Preparador, Calle Moreno, 457, Buenos Ayres. *Coll of Ins.* C.

Holmberg, Dr. Eduardo L., Catedrático de Historia Natural en la Escuela Normal, etc., de Buenos Ayres, Calle Cerrito, 416. *Arach., Hymenop., Ichth.* C.

Kurtz, Dr. F., Catedrático de Botánica en la Universidad de Cordova. C. Ex.

Kyle, J. J. J., D.Sc., Catedrático de Química Organica (la Universidad) en y Director Química de la Casa de Moneda de Buenos Ayres.*

Lista, Ramon, Miembro de la Sociedad Científica argentina, Naturalista explorador y Director del Anuario Hidrográfico de la Marina argentina, C. de la Reconquista, 93, Buenos-Aires.*

Lynch-Arribálzaga, Enrique, Callas 1434, Buenos Ayres. *Dipt.* Ex.*

Lynch-Arribálzaga, Felix, rue Juncal 2254 Chacabuco, Buenos Ayres. *Coleopt., Dipt.* C. (Staphilinidæ). Ex.*

Myano, Carlos Maria, Buenos Ayres. Celebrated Explorer of Patagonia. Lieutenant of the Navy in the Argentine Army.

Mitre, Gen Bartolomé, Buenos Ayres.

Moreno, Dr. Francisco P., Director del Museo Provincial de La Plata. *Anth., Palæo.**

Newberry, Dr. Edward, 125 Calle Florida, Buenos Ayres. *Psych.*

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Puiggari, Dr. Miguel, Catedrático de Química Analítica y Farmacéutica en la Universidad de Buenos Ayres.

Quiroga, Dr. Atanasio Catedrático de Química Inorgánica en la universidad y en el Colegio Nacional de Buenos Ayres.*

Roth, Santiago, San Nicolas. *Palæo.* C.

Ruscheweyh, George, Merch. Calle Tucuman, 500 Buenos Ayres. Poss. of the largest Coll. of Lepidopt. in So. America. Ex.

Spegazzini, Dr. Carlos, Prof. de Patologia Vegetal en el Instituto Agronimico-Veterindrio y Catedrático de Química en el Colegro Nacional de la Plata, Calle 56, esq. 10. *Bot.* C. Ex. *Graminacea Fungi.*

Thome, John M., Dr , Dir. del Observatorio Astronómico Nacional en Cordoba.

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## BRAZIL.

Alf. Georges, Villa Trabel, Rio de Janeiro. *Ent., Con., Vert.*

Bauer, Henrique Ernesto, Jaguary de Ignape, Estado, Sao Paulo. *Min., Lithol.* Exchange any foreign rocks (small samples by mail) for Toyait, Veyesit, Theralit, Tinguait, etc., from this country.*

Barbosa, Rodrigues, João, Manáos, Provincia do Amazonas, Dir. Botanical Mus. of the Amazon. *Phæn. Bot., Palms, Orchids, Anth., Arch., Ethnog.* C. Ex.*

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Carvalho, Dr. Pedro A. de, Dir. Hospital Misericordia, Rio de Janeiro.
Cruls, Dr. Louis, Dir. Ast. Obs., Rio de Janeiro. *Ast.*
Derby, Orville A., Dir. of Section of Geol. and Min., Mus. Nacional, Rio de Janeiro. Dir. Com. Geog. et Geol. da Prov. de São Paulo. *Palæo.*, *Strat. Geol.*, *Min.*, *Lithol.*
De Souza, Dr. Ennes, M.E., Dr. Phil., Prof. Met., Polytech. School, Rio de Janeiro. *Min.*, *Metall.*
Freire, Prof. Dr. Domingos José, Med. School, Rio de Janeiro. *Org. Chem.*
Freitas, Francisco José de, Sub. Dir. da Sec. de Geol. e Min., Mus. Nacional, Rio de Janeiro. *Palæo.*, *Geol.*, *Min.*
Gama, Dr. J. Saldanha da, Prof. Bot., Polytech. School, Rio de Janeiro. *Bot.*
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Ribeiro, Julio, Morton College, San Paulo. *Philol.*
Ricardo, Krone, Ornithologist, Ignape. *Orn.* Birds' skins and eggs to sell and exchange.*
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Rio Branco, J. M. de Silva, Rio Janeiro. *Geog.*, *Eth.*
Rodde & Pape, Dealers, Bahia.
Rodregues, Dr. J. Barbosa, Rio Janeiro. *Bot.*, *Eth.*
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Matovelle, Julius, Cuenca.
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Lagerheim, G., Quito. *Bot.**

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im Thurn, Everard F., M.A., Pomeroon River. *Anth.*, *Orn.*
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Russell, Hon. William, Georgetown. *Hydrostatics and Scientific Agric.* (*Tropical*).
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Macedo, Mariano, Lima. *Arch.*
Mendiburn, Gen. Manuel de, Lima.
Mesa, Pio B., Cuzco. *Arch.*
Pasapera, Manuel S., Lima.
Quiros, Francis, F.L.S., Lima.
Sanchez, Hipólito, Arequipa.

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Perez, Lazaro Maria, Bogotá.
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Zeltner, M. A. de, Panama.

## VENEZUELA.

Acosta, Cecilio, Caraccas.
Ernst, A., Caraccas.
Francis, Henry, New Quebrada Mines, care Messrs. Boulton & Co., Puerto Cabello.

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# PART II.

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# PART II.

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Bower, Prof. F. O., Univ., Glasgow, Scotland. *Bot.**

Bowman, Fred. H., D.Sc., F.R.S.E., Assoc. Inst., C.E., F.L.S., F.G.S., F.R.A.S., F C.S., F.I.C., etc., West Mount, Halifax, Yorkshire. *Mic., Chem., Elect., Molecular Physics, Spect., Elect. and structure of cotton and other textile fibres.**

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Brodie-Hall, Miss W. L., The Gore, Eastbourne, Sussex. *Bot., Ferns, Algæ, Diatoms, Meteo., Lepid.**

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Burgess, E. W., 35 Langham St., London. *Diatomaceæ, Foraminifera.*

Burgess, James, C.I.E., LL.D., F.R.G.S., M.R.A.S., etc., Archæological Survey of India, 22 Seton Pl., Edinburgh, Scotland. *Indian Arch., Arch., Geog.**

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Campbell, John MacNaught, Asst. Curator, Kelvingrove Museum, Glasgow, Scotland. *Zool., Arch., Eth., Herpetol., Tax.* C. Ex. Wishes to obtain crania, and live reptiles, by purchase or ex.*

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Chattock, A. P., Univ. Coll., Bristol. *Phys., Elect., Chem.**

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Fric, V., Wladislawgasse 21a, Prague, Bohemia. *Min., Geol., Palæo., Zool.* C. Ex.*

Fritsch, Prof. A., Univ., Prague, Bohemia. *Zool., Palæo.**

Fruwirth, Carl, Professor an der landwirthschafte-Lehranstalt in Mödling bei Wien. *Spezieller Pflanzenbau.* (Hopfen).*

Fuchs, Theodor, Dir. du geologischen Abtheilung am k. k. Naturhistor. Hofmuseum, Wien. *Palæo., Geol.* (*Tertiary*).*

Ganglbauer, Ludwig, Custos-Adjunct am k. k. Naturhistorischen Hof-Museum, Wien. *Coleopt., Orthopt.**

Genersich, Prof. A., Univ., Klausenburg. *Vert. Emb., and Anat., Osteol., Myol., Histol. of Vert.* C. Ex.*

Godlewski, Emil, Prof. der höheren landwirthschaftlichen Lehranstalt, Dublany, near Lemberg. *Physiology of Plants.**

Gothard, Alex. von, Herény, bei Steinamanger. *Phys., Meteo., Ast.**

Gothard, Eugen von, F.R.A.S., Herény, Astrophys. Observatorium bei Steinamanger. *Phys., Ast., Astrophotogr.* C.*

Graff, Dr. Ludwig von, Prof. der Zool. an der Universität, Graz. *Zool., Worms.**

Grobben, Dr. Carl, Univ., Franzensring, Wien, I. *Zool., Comp. Anat.**

Handlirsch, Adam, M.D., Rubensgasse 5, Wien, IV. *Diptera.* C.*

Handlirsch, Anton, Beamter am naturhistor. Hofmuseum, Rubensgasse, 5, Wein, IV. *Hymen.* C.*

Haury, C., Smichow 418, near Prague (Bohemia). *Coleopt.: Procerus, Procrustes, Carabus, Calosoma, Cychrus.**

Hebra, Dr. Hans Ritter von, Docent an d. Univ., Vorstand der Abtheilung für Hautkrankheiten a. d. allgem. Poliklinik, Mariannengasse 10, Wien, IX.*

Heger, Franz, Custos und Leiter der Anth. und Eth. Abtheilung am k. k. Naturhistorischen Hofmuseum u. I. Sekretär der Anthropologischen Gesellschaft, Wien. *Eth., Arch., Anth.**

Hellich, Johann, Podebrad, Bohemia. *Phæn. Bot., Palæo., Geol., Ent. Dipt., Coleopt.* C. Ex.*

Hempel, E. G., Prof. an d. Hochschule für Bodencultur, Chef redacteur der Oesterr. Forstzeitung, Wien. *Forestry.**

Hensch, And., Dr. Regimentsarzb, Örkény. *Hemipt.**

Herlinger, Franz, Oberplan (Bohemia). *Coleopt., Lepid.**

Heufler, Ludwig von Hohenbühel, Freiherr, Ansitz Althenzoll, Hall, Tyrol. *Bot.* C. Ex.*

Hofmeister, Emil, Architect, Smichov 293, Prague, Bohemia. *Europ. Lepid.**

Hofmokl, Dr. Johann, k. k., a. ö. Univ., Prof. und Primararzt, Helferstorferstrasse 9, Wien. *Chirurgy.**

Holetschek, Dr. Johann, Adjunct der k. k. Sternwarte, Wien. *Ast.**

Horváth, Dr. Géza, Budapest, Dir. de la Station Phylloxérique de l'Etat. *Hemipt.* C.*

Huss, Johan, Lehrer, Felka. *Coleopt.**

Iablonooszky, Josef, Soprony. *Ent.**

Ilosvay, Lajos, Prof. Dr., Phil. Dr., Chem. exper. Prof., Polytechnicum, Budapest. *Chem., Org., Inorg.**

Jirus, Prof. Dr. Bohuslav, Univ., Prague. *Pharmacology and Pharmacognosy.**

Kaufmann, Josef, Rubensgasse 5, Wien, 4. *Coleopt.* C.*

Kelecsényi, Carl von, Tavarnok, via Nagy, Tapolcsany. *Lepid., Coleopt.* Will buy.*

Kheil, NapoleonM., Ferdinandstr. 38, Prague, Bohemia. *Lepid., Europ. and exotic, Orthopt., Hemipt., Neuropt.* C. Ex.*

Kittl, Ernst, k. k. Naturhistorisches Hofmuseum, Wien. *Geol., Palæo.* Ex. for Museum.*

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Klément, Robert, Eläpatak, Siebenbürgen. *Photog.*, *Lepid.*, *Coleopt.*, *Con.*, *Moll.*, *Orn.*, *Zool.* C. Ex.*
Klutschak, Prof., Leitmeritz, Gymnasium, Bohemia. *Bot.**
Kolazy, Josef, k. k. Directions-Adjunct Kaunitzgasse 6, Wien. *Hymenoptera.**
Kolombatovíc, Prof. G., Spalato. *Vertebrates*, *Cephalopoda*, *Dibranchiata.**
Korlevic, Anton Prof., Zagrab. *Ent.**
Körösi, Josef, Dir. des Communalstatistischen Bureaus, Budapest.*
Kotula Bolcslaus, Gymnasial Prof., Przemijsl. *Lamellibranchiata Insects.**
Kowarz, Fred., k. k. Postverwalter, Franzenbad, Bohemia. *Diptera.**
Kravogl, Hermann, k. k. Gymnasial-Prof., Eger, Böhmen. *Bot.* Ex.*
Krivány, Johann von, Comitats Cassier, Arad. *Geol.*, *Geog.* C.*
Kulczynski, Wladislaw Prof., Krakau. *Arach.* Ex.*
Kunszt, J., Losoncz. *Bot.* C.*
Langhoffer, Aug., Dr. Prof., Zengg. *Ent.*, *Dipt.**
Lendl, Adolf, Dr., Adj. am Nat. Mus., Budapest. *Arach.**
Leonhard, Otto, Director, Libnowes, Post Zehun.*
Leonhard, Otto, Libnoves Zehun, Podebrad. *Coleopt.*, *Lepid.**
Lewandowski, Rudolf, Prof. Dr., Hernals bei Wien. Hauptstrasse 59. *Macro-Lepid.*, *Coleopt.*, *Plants.* Ex.*
Liebermann, Prof. Dr. Leo, Chef der Chem. Staats-Versuchsstation, Rottenbillergasse 60, Budapest. *Chem.*, *Met.*, *Gen. Biol.**
List, Dr. Joseph Heinrich, Docent a. d. Univ., Graz. *Zool.*, *Histol.**
Lóczy, Prof. Lewis de, Geol. Univ., Budapest VI., Andrássy út 64. *Strat. and Physical Geol.* C. Ex.*
Löherer Andreas, S. a. Ujhely. *Econ.**
Lugert, Josef, Prof. of the Music-Conservatory, Prague III., Bohemia. *Phanerog.**
Mache, Dr. J., Landesschul-Inspector. Prag-Kleinseite, Bohemia.*
Maiden, J. H., F.L.S., F.G.S., Technological Mus., Sydney. *Bot.* C.*
Marenzeller, Dr. Emil Edler von, Custos am k. k. naturhist. Hofmuseum, Tulpengasse 5, Wien. *Zool.* Ex. Echinoderms, Worms.*
Marktanner-Turneretscher, Gottlieb, Langegasse 16, Wien, VIII., Austro-Hungary. *Invert.*, *Foraminifera*, *Chem.*, *Micro-photography.**
Merkl, Eduard, D. Bogsán, South Hungary. *Coleopt.* C. Ex.*
Micklitz, Franz, k. k. Forstmeister, Radmansdorf, Oberkraim. *Coleopt.* C. Ex.*
Moeller, Dr. Josef, Prof. an der Universität, Innsbruck.*
Mojsisovics von Mojsvár, Aug., M.D., k. k. a. ö. Prof der Zool. an der technischen Hochschule, Docent für Zool. and Vergleichende Anat. an der Universität, Graz, Sparbersbachgasse 25. *Anat.*, *Biol.*, *Birds*, *Reptiles*, *Zoogeogr.**
Mühlbach, Josef, M.D., Chotebor, Bohemia. *Bot.**
Mulser, Anton, Bozen (Tyrol). *Reptiles*, *Birds.**
Murr, Josef T., Dr. Phil., Fallmeraverstrasse 2, Innsbruck. *Phæn. Bot.* C.*
Nickerl, Dr. Ottokar, Pres. der Ent. Section der physiokratischen Gesell., Wenzelsplatz 16, Prague, Bohemia. *Lepid.*, *Coleopt.**
Nickerl, Ottokar, jr., Student, Wenzelsplatz 16, Prague, Bohemia. *Coleopt.*, *Hernipt.**
Novák, Ottomar, Ph.D., Brennte Gasse, I., Prague. *Invert.*, *Palæo.*, *Geol.**
Obermayer, Prof. A. v., Zumpendorferstrasse 43, Wien, IV. Laborat., Technische Militair Acad., VII. Stiftgasse 2. *Phys.**
Obersteiner, Dr. Heinrich, Prof. Univ., Doebling, Wien. *Anat. of Vert.*, *Neurology*, *Histol. of Vert.**
Ormándy, Nicolaus, Dir. d. Gymn., S. a. Ujhely. *Bot.**
Ormay, Alex. Prof., Nagy-Szeben. *Coleopt.* C. Ex.*

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Paszlavszky, Jósef, Prof., Föreáliskola, Budapest, II. *Zool., Cynipida, Hymenopt.* C. Ex.*
Pelzeln, August von, Imp. Zool. Museum, Schönlatergasse 13, I. Wien. *Orn., Mam.**
Peyl, Theodor, Naturalist, Thomasgasse 13, Prague, III. *Zool., Gen. Biol., Ent., Coleopt., Myriop.**
Polák, Karl, Vladislavgasse 21, Prague, Bohemia. *Phæn. of Europe, Hieracium, Carex of the World.* C. Ex.*
Polansky, Anton, Palais d'Este, Brünn. *Lepid., Coleopt.* C. Ex.*
Porcius, Florian, Naszod-Rodna (Transylvania). *Bot.* C. Ex. Phanerogams of Transylvania for others.*
Pöschl, Ede, k. Bánvatanácsos és nyng. Akademiai tanár. Körmöczbánya.*
Pribram, R., Prof. Univ., Dir. Chem. Lab., Czernowitz. *Chem.**
Purjesz, Dr. Sigmund, Docent, Univ., Budapest, Geschichte der Medicin. *Bibliog., Anth., Arch., Ethnog.**
Ráthgeb, A., Schemnitz, Austro-Hungary. *Min., Geol., Minerals, Rocks.* Ex.*
Rátz, Stefanus de, Dr., Budapest. *Pathol., Anat.**
Rebel, Dr. Johann, Magdalenenstr., 14, Wien, VI. *Lepid.**
Rebel, Hans, Dr., Magdalenenstr., 14, Wien, VI. *Micro-Lepid.* C. Ex.*
Richter, Lajos, Kaufmann, Budapest, Andrassy Ut 3. *Bot., Lepid., Diptera, Hymenoptera, Neuroptera, Orthoptera, Conch., Hemiptera.* C. Ex. Wishes pressed plants, insects, land molluscs, and postage stamps from all parts of the world.*
Rik, Gustavus, Dr., Sárospatak. *Chem.**
Rinnböck, J. C., Simmering 14, Wien. *Mic.* (Diatoms). C. Ex.*
Rogenhofer, Alois Friedrich, Custos am k. k. Naturhist, Hofmuseum, Josefstadterstr. 19 Wien. *Zool., Lepid., Hymenop.**
Roth, Martinus, Prof., Iglo. *Min., Geol.**
Roux, Dr. Word., Prof., Univ., Innsbruck. *Menschliche Anatomie u. Entwickelungsmechanik.**
Russ, Carl, Officer, Wildstein, Bohemia. *Coleopt.**
Sajo, Carl, Budapest. *Coleoptera, Hymenoptera, Hemiptera, Diptera.**
Schiffner, Dr. Victor, Privat docent der Syst. Bot. an d. k. k. deutsch Univ., Prague, Bohemia. *Flora of Bohemia, Bryol.**
Schlangenhausen, Dr. Fridolin, Feldhof, bei Gratz. *Zool., Gen. Biol., Anth., Herpetol., Tax.**
Schwackhöfer, F., Prof. Hochschule für Bodencultur, Vienna. *Agric., Chem.**
Schwöder, Adolf, Müglitz, Moravia. *Gen. Bot.* C. Ex.*
Sigmund, Alois, Gymnasium, Landskron, (Böhmen). *Petrography.**
Simeck, Adolf, Bezirksecretär, Weisswasser (Bohemia.) *Coleopt., Lepid., Orn.**
Skofitz, Dr. Alex., IV.; Mühlgasse 1, Wien, IV. *Bot.**
Spaeth, Dr. Franz, Kohlmessergasse 3, Wien. *Coleopt.* C. Ex. Desires Coleopt., esp. Longicornes and Chrysomelites from all parts of the world.*
Spitaler, Rudolf, Asst. der k. k. Sternwarte, Währing bei Wien. *Min., Photog., Meteo., Ast.* C. Ex *
Srdinko, Josef, Ingenieur, 1495–II, Prague, Bohemia. *Europ. Lepid.**
Srnka, Anton Kön, Landescassier, Kleinseite 259, Prague. *Coleopt., Cicindelidæ of the world.* Will buy and exchange.*
Stefan, Dr. Freiherr von Washington, Schloss Pöls, Post Wildon, Steiermark. *Orn, Geogr., Distr. and Acclimatiz. of Birds.* Ex.*
Steigerwald, Karl V., Chotebor, Bohemia. *Orn., Ent., Lepid.* Kauft ganze Reiseausbeuten von Coleopteren.*
Stoffella, d'alta Rupe, Prof. Dr. Emil, Univ., Alserstrasse 25, Wien, VIII. *Pathol., Therapeutics.**

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Stolz, O., Prof. Univ., Innsbruck. *Math.**

Stussiner, J. A., Wienerstrasse 15, Laibach (Krain). *Coleopt.* (esp. *Pselaphidæ* and *Scydmænidæ*), *Orthoptera and Con.* C. Ex.*

Szombathy, Josef, Custos am k. k. Naturhistorischen Hofmuseum, Sigmundsgasse 8, Wien, VII. *Anth., Arch., Osteol.**

Terren, Andreas, Körmöczbánya. *Ent.: Lepid., Coleopt.* C.*

Teschler, Georg, Prof. Staats-Oberrealschule, Körmöczbánya. *Nat. Hist., Chem., Lithol., Anat., Herpetol., Histol. of Vert., Odontol.* C. Ex. Trachyto, Opal.*

Thalhammer, Prof. Johann, Kalocsa bei Budapest. *Ent.**

Tiesenhausen, Alexander, Baron von, Borgo Nuovo 4, Trient, Tyrol. *Moll.* C. Ex.*

Toth, Dr. M., Kalocsa, bei Budapest. *Min.**

Toula, Dr. Franz, Prof. der Mineralogie u. Geologie, an der k. k. technischen Hochschule, IV., Wien. *Geol.**

Traxler, Ladislaus, Dr., Munkacs. *Con.**

Trusz, Simeon, Lehrer am k. k. Gymnasium, Przemysl (Galizien.) *Syst. Bot.* C.*

Tschusi zu Schmihdoffen, Victor Ritter von, Villa Tännenhof bei Hallein, Salzburg, Chairman of Comm. for Ornithological Obs. in Austro-Hungary. *Orn., esp. Orn. of Austria and Hungary.* C. Ex. Birds of Austro-Hungary, esp. of the Alps.*

Vejdovsky, Franz, Ph.D., Prof. of Zool., University, Prague, Bohemia. *Zool., Gen. Biol., Emb. of Invert., Comp. Anat., Worms, Protozoa, Fresh-Water Sponges Coccidæ, Psyllidæ, Hymenopt.* C.*

Vetter, Karl, Assecuranz director, Prague. *Coleopt.* (*Cicindila, Carabus*).*

Vlcek, William, Vinohrady 1, Prague, Bohemia. *Lepid., Europ.**

Wähner, Franz, k. k. Naturhistor. Hofmuseum, Privat-Docent an der Univ., Wien. *Geol., Palæo.**

Waltenhofen, Prof. Dr. A. von, Wien. *Electricity, Magnetism.**

Weinek, Dr. Ladislaus, Prof. Univ. Prague, Bohemia, Dir. der k. k. Sternwarte. *Met., Ast.**

Weinzierl, Dr Th. Ritter von, Docent, Vorstand der Samen-Control Stat, wirkl. Mitglied der Kaiserl Leopold-Karol. deutscher Akademie der Naturforscher, Herreng. 13, Wien. *Samenkunde, Unterhachung der Kraftfuttermitkl, futterbau.**

Willkomm, Dr. Heinrich Moritz, Prof. Syst. Bot. d. k. k. Univ., Dir. d. k. k. Bot. Garten, Prague, Bohemia. *Bot., Geog. Dist., Flora of Spain.* C. Ex.*

Witlaczil, Dr. Emanuel, Wien, III., Bechardgasse, 2. *Zool., Anat., Emb.**

Zechenter, Dr. Gustav, Körmöczbánya, k. ung. Bergwesensarzt. *Geognosy, Min., Bot.* C. Many spec. to ex.*

Zenger, Chas. V., F.R.A.S., Prof. Nat. Phil. and Ast., Dir. Astrophysical Observatory, Karlsplatz, Polytechnic School, Prague. *Astronomical Photog., Phosphorog.* Ex. for objects in the same line.*

Zepharovich, Dr. Victor L., Ritter von, Hofrath, Prof. der Mineralogie an der k. k. Universität, Prague. *Min., Crystal.* C.*

Zfanndler, Leopold, Dr. Ph., Prof. Phys. an der Univ., Innsbruck. *Phys.**

## BELGIUM.

Ballion, Jean, Gand. *Invert. Palæo., Zool., Anth., Orn., Ent., Moll.* C. Ex.*

ayet, Ernest, membre des societés royale malacologique et scientifique, 58 rue Joseph II., Brussels. *Geol., Min., Palæo.* C. Ex. Desires espec. to receive fish, reptiles, shells, crustacea, polypus, crinoidia, and fossil insects of N. and S. America in ex. for fossils of Europe. Has 700 species in pairs to dispose of.*

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Boddaert, Albert, (Care of Prof. R. Boddaert), Ghent. *Comp. Anat., Worms espec. desired. Nat. Hist. of Flanders.**

Candèze, Dr. Ernest, Glain, near Liége. *Ent., Elateridæ.* C. Ex.*

Candèze, Léon, Glain, near Liege. *Ent., Sphingidæ, Bombycidæ.* C. Ex.*

Carbonnelle, Rev. P. Ignace, rue des Ursulines 14, Brussels. *Math.**

Carnoy, Dr. J. B., Prof. Univ. Louvain, rue du Canal 22, Louvain. *Bot., Mic., Cellular Biology.**

Casteele, Dé van de, rue de l'Ouest, Liege. *Arch.**

Corput, Dr. B. Ed van den, Prés. de la Comm. méd. du Brabant, Prof. à l'Université, 19 Avenue de la Toison d'or, Brussels. *Therapeutics.* C. Ex. Library of 20,000 volumes, Nat. Hist. objects, medical portraits, about 3,000 autographs, manuscripts, antiquities, etc. Gallery of pictures, objects of art, curiosities.*

Coubeaux, Eugène, 17 rue des Paroissiens, Brussels. *Bot., Palæo., Geol., Min., Crystal., Lithol., Zool., Vert., Articulates, Ent.* C., esp. of Belgium. Ex.*

Crocq, Dr. J., Prof. Univ., rue Royale 110, Brussels. *Geol., Mineralogy, Palæo.* C. Ex. minerals and rocks of Europe for those of all parts of the world.*

Dastot, Dr. Adolphe, Chirurgien-oculiste de l'ex-Inst. Ophtalmique Provincial, Mons.*

De Ceuleneer, Dr. Adolf, Prof. Univ. of Ghent, Ghent. *Bibliog., Anth., Arch., Eth., Ethnog., Philol.**

Delsaulx, Rev. P. Joseph, Prof. Phys., rue des Récollets 11, Louvain. *Phys., Math.**

De Marbaix, Henri, Asst. à l'institut d'Anat. Pathol. et de Pathol. générale, Louvain.*

De Moffarts, Ferdinand, Chateau de Stré par Huy. *Coleopt.* C. Ex.*

Denys, Jos., rue des Joyeuses Entrées 20, Louvain. *Anat., Gen. Pathol, et Bacteriol.**

Dewalque, Gustave, Prof. ordinaire de Minéralogie, de Géologie et de Paléontologie à l'Université 17 rue de la Paix, Liege. *Min., Geol., Palæo.* C. Ex. Desires fossils, espec. Devonian, and offers Minerals and Fossils of Belgium.*

Dupont, E., Dir. R. Mus. Nat. Hist. Belg., Boitsfort, near Brussels. *Geol., Anth.**

Errera, Dr. Léo, Prof. à l'Université, 1 rue Stéphanie, Brussels. *Bot.**

Folie, François, Dir. de l'Obs. royal, Brussels.*

Forir, H., Ingénieur répétiteur à l'école du Mines, rue Nysten 19, Liège.*

Gedoelst, Dr. Louis M., rue du Canal 20, Louvain. *Mic., Gen. Biol., Histol.**

Gilkinet, Alfred, Prof. Univ., rue Renkin 13, Liege. *Geol.**

Gilson, Eugène, Chimiste, à Jette St. Pierre, Brussels. *Chem. Org., Gen. Biol.**

Gilson, Gustave, Prof. Univ., Louvain. *Zool., Comp. Anat., Embr., Prehist.**

Gravis, Dr. A., Prof. de Botanique à l'Univ., Directeur du Jardin botanique de Liège, (Belgium).*

Jacob, L., Makoy & Co., Liege. *Bot.* C. of plants.*

Jorissenne, Dr. Gustave, Boulevard de la Sauvenière 130, Liège. *Pathol., Physiol., Bot., Geol.* C. of plants, rocks, and fossils of Belgium. *

Julin, Ch., Prof. Univ., rue Bassenge 46, Liège. *Mic., Anat., Compar. Emb.**

Kupfferschlaeger, Isidore, Prof. Emer. Univ., rue du Jardin Botanique 18, Liège. *Chimiste.**

Lameere, Auguste, Dr. Sc., Prof. á l'Univ., Chaussée de Charleroi 121, Brussels. *Biol.**

Laurent, Dr. Emile, Prof. de l'Ecole d'Horticulture, Vilvorde. *Bot.**

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Lohest, Max, ingénieur. Asst. à l'Univ., 27 rue des Guillemins, Liege. *Geol., Palæo.**

MacLeod, Dr. Julius, hoogleeraar brusselsches Steenweg, 734 Gentbrugge, near Ghent. *Zool., Anat., Emb.* C. Ex. Offers Coleopt., Hemipt., Arach., and molluscs of Belgium and wishes foreign Arach. and molluscs.*

Mertens, Albert, rue Marie de Bourgogne 32, Brussels. *Coleopt.**

Mertens, Gaston, rue Marie de Bourgogne 32, Brussels. *Coleopt.**

Mourlon, Dr. Michel, Agregé à l'Université, Conservateur au Musée Royal d'Histoire Naturelle, Membre de l'Academie des Sciences de Belgique, rue Belliard, Brussels. *Stratigraphical Geol., Upper Devonian and Tertiary.* C. Ex. for the Museum.*

Pâque, E., S.J, Collège der Ste. Coeur, Charleroi. *Phæn. and Crypt. Bot.* C. Herbs of Belgium.*

Pelseneer, Paul, Prof. Dr., Normal School, Ghent. *Morphol of Moll.* Wishes alcoholic specimens of Aximes, Verticordia, Pholadidea and other molluscs generally.*

Petit Bois, Gustave, rue Louvrex 97, Liege. *Geol.**

Plateau, Felix, Prof. à l'Université, Dir. du Musée, Boulevard du Jardin Zoologique 64, Ghent. *Zool. Comp. Anat.* C. Desires especially Myriapods.*

Preudhomme de Borre, Alfred, Con. Musée Royal d'Hist. Nat., rue Seutin 11, Schaerbeck. *Bibliog., Zool., Gen. Biol., Geog. Dist., Articulates, Ent.; Coleopt.**

Renard, A. F., Prof. Univ. Wetteren, à Wetteren-lez-Gand. *Geol., Min., Lithol.**

Rutot, Aimé, Mus. Nat. Hist., Brussels, rue du Chemin de fer 31, St. Josse-ten-Noode. *Geol.**

Schuermans, H., Premier President de la Cour d'Appel, Boulevard Frére-Orban 43, Liege. *Arch.**

Sélys-Longchamps, Baron Edmond de, Sénateur, Mem. de l'Académie Royale de Belgique, Boulevard de la Sauvenière 34, Liege. *Orn., Mam., Neuropt.**

Spring, Walter, Prof. Univ., rue Beckmann 32, Liege. *Geol.**

Stainier, Xavier, Dr., 70 Maussée de Wâvre, Brussels. *Min., Geol., Palæo.**

Stuckens, Maurice, rue porte aux Vaches, Ghent. *Vert., Anat., Moll.**

Terby, François, Docteur en Sciences, Membre de la Société Royale Astronomique de Londres, Observatoire Privé, rue des Bogards 96, Louvain. *Phys., Ast.* Etude de l'Aspect Physique des Planets, et de la Lune. C. of drawings of Planets, Mars, Venus, Jupiter, Saturn, the Moon, etc. Ex. Publications on Astronomy, esp. for the Observ. of Planets.*

Van Bastelaer, Désiré Alexandre Henri, Memb. l'Acad. Royale de Méd., et de l'Acad. d'Arch. de Belgique, Chev. de Leopold, rue de l'Abondance 24, Brussels. *Bot, Arch., Pharm., Chem., Hyg.**

Van Bastelaer, Réné Désiré Emile, Attaché à la Bibliothèque royale. Cabinet des estampes, rue de l'Abondance 24, Brussels. *Grav., Arch.**

Van Beneden, Edouard, Prof. à l'Université, Inst. Zool., Quai des Pechours, So., Liege. *Embryology, Comparative Anat., Zool.* C. of the University. Ex. Wishes to receive Tunicates, esp. Ascidians.*

Van den Broeck, Ernest, Mus. Nat. Hist., rue Terre-Neuve 102, Brussels. *Geol., Foraminifera.**

Van Gehuchten, Arthur, Prof. d. Anat., Louvain. *Histol, Anat.**

Vanlair, C., M.D., Prof. Univ. of Liege. *Gen. Biol., Histol. of Vert.**

Willem, Dr. V., Univ., Ghent. *Zool.**

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# BULGARIA.

Demchevsky, Manoil D., Samakov. *Bot., Phæn. and Crypt. Plants, Organ. and Inorg. Chem., Phys., Zool.* C. Ex.*

# DENMARK.

Aggersborg, N. N., Apotheker, Copenhagen. *Bot.**
Andersen, A., Havrehed, Odense. *Bot.**
Baagöe, J., Apotheker, Næstved. *Phæn. Bot., Hort., Orn.* C. Ex.*
Bartholin, C. T., Copenhagen. *Palæont, Bot.**
Bauer, Chr. A. P., Cand. Pharm., Rudkjöbing. *Ichth., Reptilia und Amphibia.* C.*
Becher, A., Slagelsegade, Copenhagen. *Bot.**
Bergh, L. Thorshavn, Færö. *Bot.**
Bergh, Prof. Dr. Rudolph, Phys. to the "Vestre Hospital" of Copenhagen, Stormgade 19, 2. Copenhagen. *Zool., lower animals.**
Bergh, Dr. R. S., Amicivej 5, Copenhagen. *Zool., Emb., lower animals.**
Bergstedt, N., Bodilsker pr Nexoe. *Bot.**
Boas, Dr. J. E. V., Copenhagen. *Zool.**
Bohr, Dr. Christian, Physiol. Lab., Bredgade 62, Copenhagen. *Gen. Biol.**
Börgesen, F., Österbrogade 24, Copenhagen. *Bot., F. W. Algæ.**
Borries, T., St. Kongensgade 90, Copenhagen. *Bot.**
Borst, L., Medolden pr. Skjærbæk. *Bot.**
Boysen, J. H. H., Ravnsborggade 6, 2, Copenhagen. *Bot.**
Branth, Rev. J. S. Deichmann, Sneptrup, near Skanderborg. *Lichenology.**
Bremer, W., Copenhagen. *Bot.**
Christensen, J. P., Norrevoldgade 92, Copenhagen, N. *Physics, Bot.**
Collin, Jonas, Lyngbye. *Zool.**
Eggers, H. F., Baron, Copenhagen. *Bot., Flora of West Ind.**
Fausböll, J., Hassing pr. Thisted. *Bot.**
Feilberg, C., Osterbrogade 46, Copenhagen. *Bot.**
Feilberg, Rev. H. F., Darum Præstegaard, near Bramminge Station. *Bot., Philol., Danish Dialects.* Student of Folk Lore; publisher of a Dictionary of Western Danish dialects, 26 sheets printed and published.*
Flindt, H., Inspector of the Royal Gardens, Fredriksberg Runddel, V. Copenhagen. *Bot.**
Friedrichsen, Th., Bot. Gar., Copenhagen. *Bot.**
Friderichsen, K., Hadersley, Slesvig. *Bot., esp. Rubi.* C. Ex.*
Gelert, Otto, C. L., Copenhagen. *Bot., Rosaceæ.* C. Ex.*
Gram, Dr. J. P., Linnésgade 16, A., Copenhagen. *Math.**
Grönlund, Chr., Monradsvej 17, V., Copenhagen. *Bot.**
Hallas, Y., Sonderborg. *Bot.**
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Hansen, Dr. Emil Chr., Vorstand des Physiologischen Laboratoriums, Carlsberg, Copenhagen. *Physiology of Plants and Fermentations.**
Hansen, Dr. H. J., Zoological Mus., Copenhagen. *Zool., Ent.**
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Henningsen, Valdemar, Regentsen, Copenhagen. *Phæn and Crypt. Bot., Veg. Palæo.* C. Ex.*

Hildebrandt, Paul, Landskrona. *Bot., Cyperaceæ, Ferns, Mosses, Lichens.* C. Ex.*

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Jacobsen, H., Hæsede pr. Rönnede. *Bot.**

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Jensen, Hj., Borchs Collegium, Copenhagen. *Bot.**

Jensen-Tusch, Harald, Col., Frederiksberg, Bredegade 21, Copenhagen. *Bot.* C.*

Jeppesen, Forstander for Staby Højskole, Ulfborg Station. *Danish Bot., esp. Fungi and Characeæ.* C. Offers plants and seeds for foreign, esp. from the tropics.*

Jeppesen, Gjedved, Seminarielaerer, Horsens. *Bot.* Ex. Mosses.*

Jeppesen, J. Kr., Sejersler pr. Nykjöbing. *Phæn. Bot, Ferns, Mosses.* C. Ex. Offers Phanerogams and Cryptogams of No. Europe, and wishes plants from all foreign lands.*

Jersild, Dr., Tönder. *Bot.**

Johannsen, W., Amicivej 1, Copenhagen. *Bot., Veget. Physiol.**

Johnstrup, Fr., Prof. u. Director des Mineral-geogn. Museum der Universität, Copenhagen. *Min., Geol.**

Jörgensen, Alfred, Director of laboratory for Mic. and Zymotechnical analysis, and preparation for absolutely pure yeast, Frydendalsvej 30, Copenhagen V. *Technical Microscopy.**

Jörgensen, Dr. S. M., Prof. an der Universität, Gothersgade 156, Copenhagen. *Chem.**

Jungersen, Dr. H., Copenhagen. *Zool.**

Kiærskou, Hjalmar, Inspector of Botanical Mus., and teacher of Bot. at the Polytechnical School, Botanical Garden, Copenhagen. *Filices, Brassiceæ, Myrteæ.**

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Krabbe, Dr. Harald, Lehrer der Anatomie u. Physiologie bei der k. Veterinärschule, Monradsvej 19, Copenhagen. *Vet. Anatomy, Helminthology.**

Lange, Prof. Dr. Johan, Thorvaldsens Vej 5, V. Copenhagen. Prof. of Bot. in the Roy. Veter. & Agric. Acad., editor of the "Flora Danica." *Bot.* Wishes N. American plants, espec., trees and shrubs in ex. for N. European and Greenland plants.*

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Lind, N., Ribe. *Bot.**

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Lorenz, Prof. Dr. Ludvig, V. Copenhagen. *Math.**

Lotze, Gustav, Pres. Pharm. Assoc. of Denmark, Dir. Mus. of Antiquities, Odense. *Bot., Hort., Min., Arch.* C. Ex. Am. Antiquities for corresponding coll. of Danish in silex.*

Lowzow, A. G., Slettegaard pr. Helsinge. *Bot.**

Lütken, Christian F., Dr. Phil., Prof. Zoöl. and Dir. of Dept. of Vert. in the Zoölogical Museum, Univ. Copenhagen, Nörregade 10, Copenhagen. *Gen. Zool., Palæo., Ichth.**

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Nyeland, S., Vilvorde pr. Charlottenlund. *Bot. Gardening.**
Ottesen, L. O. C., Jagtvej 81, N. Copenhagen. *Bot.**
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Pedersen, N., Norager Vaaseskov pr. Ruds Vedby. *Bot.**
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Pedersen, Prof. R., Bot. Garden, Copenhagen. *Veg., Physiol.**
Petersen, E., Graasten, Gammelkstryade 4 K. *Bot.**
Petersen, Dr. C. G. Joh., Copenhagen. *Zool., Fishes, Moll.**
Petersen, O. G., Bot. Docent, Rörholmsgade 14, Copenhagen. *Bot.**
Petersen, Dr. Peter C. J., Polytec. School, Copenhagen. *Math.**
Petersen, S., Slotsbjergby pr. Slagelse. *Bot.**
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Philipsen, F., Fredricia. *Bot.**
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Reimers, D., Aarhus. *Bot.**
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Rosenberg, Caroline. Hofmansgave pr. Otterup Station. *Bot., Algæ.**
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Rostrup, O., Kjöbenhavn, V. *Bot.**
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Steenstrup, Dr. Japetus S., Prof. Univ., Copenhagen. *Zool., Geol.**
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Stockfleth, P. T., V. Osterbrogade 16, Copenhagen. *Bot.**
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Thiele, Prof. Dr. Thorvald, Nicolai, Observatoriet, Copenhagen. *Ast.**
Topsöe, Dr. Haldor, Inspecteur Royal des Fabriques, Prof. à l'Académie Militaire, Copenhagen, V. *Chem. Crystal.**
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Vilandt, Dr. Hans N. P., Ribe. *Bot., Cyperaceæ, Fossils.* C.*
Warming, Prof. Joh. Eug. Bülow, Ph.D., Dir. Botan. Garden, Copenhagen. *Morphol., Phæn. Bot., Arctic Plants.**
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Wiinstedt, Dr. St., Gothersgade 30, 1, Copenhagen. *Bot.**

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Zahrtmann, Hans, Hornslet, near Aarhus. *Bot., Insect fertilization.**
Zeuthen, Prof. Dr. Hieronymus G., Univ., Copenhagen. *Math.**

# FINLAND.

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Arrhenius, Dr Axel, Assist. Bot. Mus., Univ., Helsingfors. *Phæn., Bot* C. Ex.*
Aschan, Dr. O., Doc. Univ., Helsingfors. *Chem.**
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Boldt, Ch. Em., Ph.D., Helsingfors. *Bot., Algæ., Desmids.**
Boldt, Robert, Ph.D., Helsingfors. *Bot., Algæ.**
Bonsdorff, Dr. Prof. Ernst, Helsingfors. *Math.**
Brenner, M., Schuldirector., Helsingfors. *Bot.**
Brotherus, Dr. F. V., Helsingfors. *Bot.: Mosses.**
Brotherus, V. F., Ph.D., Helsingfors. *Bryol., Bot., Mosses.**
Collin, Dr. Otto, Lehrer, Tawastehus. *Phæn. Bot., Orn., Ool.* C. Ex.*
Donner, Prof. Anders, Dir. Sternwarte, Helsingfors. *Ast.**
Donner, Prof. Dr. Otto, Universität, Helsingfors. *Philol., Anth.**
Ehnberg, K. J., Filos. Magister, St. Michel. *Lepid., Coleopt., Orn., Bot.* Ex. Lepid., Coleopt., Phanerogams, etc., for objects from any part of the world.*
Envald, R., Kand., Leppävirta. *Ent.**
Eriksson, Dr. E., Helsingfors. *Bot.**
Freudenthal, Prof. Dr. Axel-Olof, Universität, Helsingfors. *Philol.**
Gad, C., Overlæge, Viborg. *Bot., Fungi.**
Hällsten, Prof. K. G., Helsingfors. *Physiol.**
Heikel, A. O., Kand., Helsingfors. *Arch.**
Heikel, Dr. Oskar, Helsingfors. *Orn., Ool.**
Hisinger, Baron Edward, Ph.D., Fagervik, Station de Karis. *Bot., Fungi, Algæ, Mic., Orthop., Neuropt., Hort., Agric.**
Hjelt, Dr. Aug., Helsingfors. *Statistics.**
Hjelt, Hj., Lector, Wasa. *Phæn., Bot.**
Homén, Dr. W. Th., Doc. Univ., Helsingfors. *Physics, Meteo.**
Hougberg, Dr. Emil, Helsingfors. *Orn., Ool.* C. of eggs of Finland. Ex.*
Justin, Edward, Helsingfors. *Bot.**
Kihlman, Dr. A. Oswald, Docent an der Univ., Helsingfors. *Bot., Flora of Finland.**
Lemström, Prof Dr. Charles-Selim, Universität, Helsingfors. *Phys., Elect., Meteo.**
Levänen, Sakris, Docent, Univ., Helsingfors. *Math., Ast.**
Malmgren, Prof. Dr. André-Jean, Gouverneur, Uleåborg. *Zool., Fishery.**
Niklander, G., Eisenbahn-Inspektor, Wiborg. *Hort.**
Nordquist, O., Inspector of Fisheries, Helsingfors. *Zool., Vert., Crust.**
Petrelius, A., Magister, Helsingfors. *Math., Geodesic.**
Ramsay, Dr. W., Doc. Univ., Helsingfors. *Min., Geol., Phys., Crystals.**
Reuter, E., Helsingfors. *Ent.**
Rindell, Dr. Arthur, Prof. Chem. Landw. Inst., Mustiala. *Inorg. Chem.* C minerals of Tammela. Ex.*
Roos, J., Kand. Phil., Frederikshamn. *Bot., Zool.**
Rosberg, J. E., Kand. Phil., Kuopio. *Phys. Geog.**
Sælan, Dr. Th., Prof., Helsingfors. *Bot.**
Sandman, Jon A., Magister, Helsingfors. *Bot., Zool., Oöl.* C. Ex.*
Schulten, Dr. August, Docent, Helsingfors. *Inorg. Chem.**

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Sederholm, J. J., Geol. Survey of Finland, Helsingfors. *Lithol., Archæan and Glacial Geol.**
Setala, Dr. E. N., Doc. Univ., Helsingfors. *Orig. Languages* (Finland).*
Solitander, Carl Probus, Helsingfors. *Geol., Met.**
Spoof, A R., Dr. Med. and Chir., Abo, Finland. *Gen. Biol., Vert., Anat., and Emb., Public Health; Acari, Worms.**
Strömborg, J. E., Lector, Borga. *Bot.**
Sundman, Gosta Consul. *Birds' Eggs and Fishes of Finland.**
Sundvik, E, Dr. Prof, Helsingfors. *Physiological Chem., Pharmacologie.**
Tengström, Dr J. M. J., Lojo *Lepid.**
Unonius, K., Lector, Helsingfors. *Bot.**
Vervander, J. H. E., Ph.D., Wilborg. *Bot.**
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Zidbäck, Herman, Lektor, Uleåborg. *Bot., Orn.**

# FRANCE.

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Alluard, Charles, Rue de Connaille 2, Paris. *Coleopt.**
Ancey, Felix, 50 rue Montée de Lodi, Marseille. *Coleopt., Hymenop., and Mollusks of the world.* C. Ex. Offers an immense number of duplicates. Wishes to get spec. from N. and S. America, and generally those from any country but Europe. Correspondence solicited.*
Andouard, Ambr., Prof. Ec. de Médecine, Nantes. *Bot. Chem.**
André, Edmond, Ingénieur boulevard Bretonnière 21, Beaune (Cote-d'or). *Hymenop.* C. Hymenoptera of the world. Éditeur-Directeur de la librairie spéciale des sciences naturelles, publié periodiquement des catalogues d'ouvrages et de brochures neufs et d'occasion sur l'histoire naturelle; col. d'invert. pour l'enseignement.*
André, Ernest, rue des Promenades 17, Gray (Haute-Saône). *Ent.: Hemiptera and Formicariæ of the world.* C. Ex. Formicariæ of Europe for foreign.*
Arvet-Touvet, Gières (Isère). *Bot.: Hieracia.**
Audollent, Paul, Rue Mornay 5, Paris. *Gen. Ent., Anat., Physiol.**
Bacle, Louis, Ingénieur des Mines, ancien élève de l'Ecole Polytechnique, Villa Péreire Asnières (Seine). *Phys.**
Baer, Gustave-Adolphe, Trévise 13, Paris. *Coleopt.**
Balgueric, Alfred, Ingénieur en retraite des chemins de fer midi, Ancien Prés. de la soc. Linnéenne de Bordeaux, cours du Jardin public 84, Bordeaux. *Palæo., Con., Petrog., Min., Geol.**
Barbier, Ch., Rue de la Goutte d'Or 61, Montmartre, Paris. *Coleopt.**
Baret, Louis, Place Delorme 2, Nantes. *Ent, Hemipt.**
Barla, Jean Baptiste, Consul Hon. de l'Empire du Brazil, ancien V. Consul de la Repub. Orientale de l'Uruguay, Dir. du Musée d'Histoire Naturelle, Place Garibaldi 6, Nice. *Bot., Mycology, Ichth.* C. Ex. meridional plants, orchids, mushrooms.*
Bavay, Prof. à l'Ecole de Médecine Navale, Grand rue 45, Brest. *Conchology, Herpetology, Helminthology.* C. Ex. L., F. W. and Marine Shells.*
Beauregard, Dr. Henri, Rue Gay Lussac 56, Paris. *Ent., esp. Cantharides.**

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Bedel, Louis, rue de l'Odéon 20, Paris. *Coleopt.**

Bellerade, Bial de, Place Henri IV., Bordeaux. *Coleopt. Entomology.* C. Ex.*

Belon, Prof. Paul, Place St. Michel 4, Lyon (Rhone). *Coleopt.* C. Lathridiidæ and Longicorns of the globe. Ex.*

Berchon, Dr. Ernest, Médecin principal de lière Classe de la Marine, en retraite, Sec. générale de la Soc. Arch.; Pres. de la Soc. d'Anth., et Vice-Pres. de l'Acad. des Sciences, Belles-Lettres et Arts de Bordeaux, 96 Court Jardin public et Château Cordeillan, près Pauillac, Gironde. *Zool., Geol., Anth., Arch., Med.* C. Ex.*

Bernard, F., Ingénieur, Carpentras, Vaucluse. *Coleopt., Lepid.**

Bernard de Montessus, Ferdinand, Dr., Prés. Soc. des Sciences Naturelles de Saône-et-Loire, et de la Société française d'Orn. à Lyon, Membre de plusieurs Sociétés Savantes; Chevalier de la légion d'honneur, Châlon-sur-Saône (Saône-et-Loire); Musée d'Orn. d'Europe, etc., à Châlon. *Palæo., Geol., Min., Orn., Ent., Lepid., Coleopt.* C. Ex.*

Berthoumieu, Victor, Bayet, St. Pourçain (Allier). *Ent., Hymen.* (*Ichneumonidæ*). C. Ex.*

Bertrand, Dr. E. J. H., Consenvoye Meuse. *Ent.**

Besnard, rue des Ursuline 16, Le Mans, (Sarthe). *Orn.**

Bétencourt, Alfred, 58 rue d'Outreau à Boulogne-sur-mer, Dir. du Laboratoire du Portel (Pas-de-Calais). *Hydrairés, Bryozoarés.**

Bigot, J. M. F., Officier de l'Instruction Publique etc., Mem. Soc. Ent. de France, rue Cambon 27, Paris. *Ent., Dipt.**

Billaud, à Paris, rue Notre Dame de Lusette 39. *Orn.**

Billiet, P., Rue de la Poudrière 1, Clermont-Ferrand. *Bot.**

Binot, Jean, Boulevard St. Germain 155, Paris. *Coleopt.**

Blanc, Edouard, Ave. Duquesne 45, Paris. *Coleopt.**

Blanchard, Dr. Raphaël, Prof. agrégé à la Faculté de médecine, Sec. général de la Soc. Zool. de France, rue du Luxembourg 32, Paris. *Comp. Anat., Animal and veg. parasites of man and animals.* Prepares a monograph of leeches, and wishes to receive samples marine, terrestrial or of soft water from every part of the world.*

Blavy, Alfred, Nationale 21, Montpellier. *Ent.**

Bleuse, Léon, 125 Avenue du Mail d'Onges, Rennes. *Coleopt. et lepid. du dept. d'Ille et Vilaine.* Offre des livres d'histoire naturelle.*

Bobeuf, Henri, Notaire, Marle, Aisne. *Coleopt.**

Bonhoure, Alph., Boulevard Haussmann 82, Paris. *Coleopt.**

Bonjour, passage St. Yves 23, Nantes. *Orn.**

Bonnet, Dr. Edmond, preparateur de bot. au Mus. d'hist. nat., Paris. *Bot.**

Bonnier, Gaston, Prof. à la Sorbonne, rue Amyot 7, Paris. *Bot.**

Bonnier, Jules, 75 rue Madame, Paris. Sous-dir. du laborat. de Zool. de Wimereux. *Crustacés Décapodes, Schizopodes, Cumacés, Isopodes, et Amphipodes.* Ex.*

Bornet, Ed., Membre de l'Institut, Quai de la Tournelle 27, Paris. *Bot., Algæ.**

Bouat, Gustave, Secrétaire de l'Académie d'Aix-en-Provence. *Bot.**

Boucard, Adolphe, Voyageur-Naturaliste, Officier d'Académie, Chevalier de l'ordre royal de la Conception, 13 rue Guy de la Brosse, Paris. *Ethnog., Orn., Ent., Coleopt., etc.* C. Buy, sell, or exchange. Has in stock 40,000 specimens of Birds' Skins and 200,000 specimens of Insects to dispose of.*

Bouláy, l'Abbé, D.Sc., Prof. à l'Université Catholique, Boulevard Vauban 127, Lille (Nord). *Bot.* C. Ex. Mosses and Vegetable Fossils.*

Bourru, Dr H., Médécin en chef de la marine; professeur de clinique médicale á l'Ecole de Médécine Navale, rue de la Forêt, Charente-Inférieure. *Nat. Sci., Clinique Medicale.**

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Boury, Eugène de, Membre de plusieurs Soc. Savantes. Théméricourt par Vigny (Seine et Oise) *Eocene Fossils, Mathildia, Scalaria, Acirsa*, recent and fossil. Living shells from Gulf of Gascoyne et fossils du bassin de Paris for ex. contre Scalaria, livres traitant des Scalaria, etc. Scalaria and eocene fossils of Alabama, America.*

Boutroux, Léon, Prof. à la Faculté des sciences de Besançon. *Bacterial Fermentations.**

Bouzereau, Malifert, à Meursault Côté d'Or. *Lepid.**

Boyenval, Dir. de la Manufacture Tabacs, Dijon. *Coleopt.**

Brabant, E., Château de l'Alouette, Escandoeuvres, près Cambrai. *Lepid.**

Brocard, M. E., rue de la Lue 9, Besançon, Doubs. Pres. de la Soc. des Ornithologistes de Frandre Comté. *Orn.* C. Ex.*

Brongniart, Charles du, Muséum d'Histoire Naturelle, rue Guy-de-la-Brosse 8, Paris. *Zool., Palæo., Bot.* C. Fossils of the Carboniferous, Insects, and Fishes. Ex.*

Bureau, Edouard, Prof de Bot. au Mus. d'hist. nat., Paris. *Bot.**

Busquet, Dir. des houillères, La Machine, near Decize (Nièvre). *Geol., Veg. Palæo.**

Buysson, Henri du, Chateau du Vernet, Broût-Vernet (Allier). *Bot., Ent., Coleopt*, (*spec. Elateridæ*) *Orthopt., Hymen., Dipt., Hemipt.* C. Ex. French specimens for American.*

Buysson, Robert du, Château du Vernet, Broût Vernet (Allier). *Bot., Ent., Hymenopt.* (*special, Chrysididæ of the world*), *Crypt.* C. Ex. French specimens for Amer.*

Calais, Jean, à la Librairie B. Visconte et Cie, 2 rue du Cours, Nice (Alpes-Maritimes). *Ichthyol.**

Cambournac, Simon, Boulevard. de la Gare 14, Narbonne, Aude. *Coleopt.**

Cann, Eugène, à Trith-Saint-Léger (Nord). Laboratoire de Zoologie de Wimereux (Pas-de-Calais). *Crustacés, Entomostracés.**

Canu, Eugène, Trith-Saint-Léger (Nord). Copépodes libres et parasites. Ex.*

Caralp, Maître de conférences à la Faculté des Sciences, 22 allée St. Etienne, Toulouse. *Geol.**

Cardot, Jules, Agriculteur, Stenay (Meuse). *Bot.* C. Ex. Musci of Europe for those of the world, and especially of America. *Determinations.**

Certes, A., Inspecteur général des Finances; Ancien Prés. de la Soc. Zool. de France, rue de Varennes 53, Paris. *Physiol., Infusoria and Protozoa.**

Chadenat, Ch., 21 Quai des Grands Augustins, Paris. *Librairie Générale des Voyages, Livres, Gravures, Cartes, etc.**

Chambon, E., Dir. de l'Institut de Vaccine Animale, rue Ballu 8, Paris.*

Chaper, Maurice, Ancien Prés. de la Soc. Zool. de France, Membre de la Soc. Géol. et Min., rue St. Guillaume 31, Paris. *Con.* Ex. Fossils, Marine, L. and F. W. Shells.*

Chappius, P., Ph.D. Paris. *Phus.*

Charlet, à Luz (Haute-Pyrénées). *Bot.**

Charpy, Victor, Ancien Notaire, Saint-Amour (Jura). *Moll.* C. Ex. L. and F. W. shells of France and foreign.*

Chatin, Prof. Dr. Joannes, boulevard Saint-Germain 128, Paris. *Ent.**

Chervin, Arthur, M.D., Dir. of the Paris Inst. for the cure of Stammering, avenue Victor Hugo 82, Paris.*

Cheux, Albert, rue Delaûge 47, Angers. *Meteo., Ast., Min., Ent., Lepid., Geol., Palæo.* C. Ex.*

Chevallier, l'abbé L., Précigne (Sarthe). *Bot.**

Chevreux, Edouard, le Croisic, Loire Inférieure. *Zool., Amphipode Crust.**

Chrétien, Pierre, Rue de l'Etoile 32, Paris. *Lepid.**

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Constant, A., Villa Niobé, Golfe-Juan (Alpes-Maritimes). *European Lepid., spec. Microlepid.**
Copineau, Charles, Membre de la Soc. Bot. de France, Doullens (Somme). *Phæn., Bot.* C. Ex. (general).*
Coppet, De, Louis C., Ph.D., Villa Irène, aux Baumettes, Nice. *Crystal., Chem., Phys.**
Cossigny, Ch. de Courcelles, par Clércy (Aube). *Geol.**
Cosson, Ernest Saint-Charles, Membre Acad. Sc., rue La Boëtie 7, Paris. *Bot.**
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Cotard, Charles, Polytechnic School, 60 rue de la Chaussée d'Antin, Paris.*
Cotteau, G., à Auxerre, Yonne. *Palæo.* (*Echinodermata.*)*
Crettè de Palluel, Albert, au Château de la Vallée (Cotes du Nord). *Orn.**
Crié, Prof. à la Faculté des Sciences, Rennes. *Bot., Veg. Palæo.**
Croissandeau, Jules, rue due Bourdan blanc 15, Orléans. *Metal., Coleopt. Francais et Corses, Psélaphidæ, Scydménidæ, Pausidæ, Clavigeridæ du globe.**
Crozel, Georges, place de l'Hotel de Ville, Vienne (Isère). *Geol., Palæo., Con., Crustacea, Anat., Gynecol.* C. Ex. L., F. W. and marine Shells, Fossils and Mins. of France to exchange. Correspondence solicited.*
Cuisine, Henri de la, Rue d'Assas, Dijon. *Coleopt., Lepid.**
Curtel, Prof. au lycée de Dijon, Dijon. *Bot.**
Daffry de la Monnoye, Adalbert, rue du Cherche Midi 11, Paris. *Ent.: Coleopt., Dipt. et Agriculture.**
Daguillon, Prof. au lycée Michelet, 10 rue Linné, Paris. *Bot.**
D'Alamonville, C. Con., au Château de Manonville (Meurthe et Moselle). *Ornith.**
D'Aubusson, Meagaud, à Paris, r. Poussin 36. *Orn.**
De Carragon, à Chateaudun (Eure-et-Loir). *Orn.**
Decharme, Doct. ès Sc., Chevalier de la Legion d'honneur, Prof. de Physique de l'Univ. (en retraite), Officier de l'Instruction Publique, rue Laurendeau 82, Amiens. *Phys.**
Decœne-Racouchot, Alfred, Antoine (Luzy), Nièvre. *Coleopt.**
Decoppet, Casimir, Nice. *Chem.**
Delaby, Edmond, Rue Amiral Courbet 10, Amiens. *Coleopt.**
De Lisle du Dréneuc, Nantes. *Arch.**
Demaison, Louis, Archiviste Paléographe, rue Cérès 21, Reims. *Ent.: Lepid.* C. *Mammals, Birds and Rept.**
De Maricourt, G. René du Mesnil, homme de lettres, Villemétrie près Senlis (Oise). *Anth., Arch., (prehist).**
De Montessus, à Chalons-sur-Saone. *Ornith.**
Depéret, Doct. ès Sciences, Chargé de cours à la Faculté des Sciences, Lyon. *Geol., Palæo.**
Desbordes, Henri, Rue de Rennes 121, Paris. *Coleopt.**
Detaille, Charles, 38 Boulevard St. Germain, Paris. *Phys., Ast.**
Deussault, Philibert, Dessinateur Géographe, rue des Lombards 12, Paris. *Geog.**
Devaux, Henri, Docteur ès sciences, à la Sorbonne, Paris. *Bot.**
Deyrolle, Emile, Naturalist, 46 rue du Bac, Paris. *Zool., Geol., Bot., Anat., Mic.* C. of Coleoptera, Conchology, Lepidoptera, Mammals, Birds, Reptiles, Fishes, Osteology. *Fossils, Min., Rocks, Optique Mineralogique.**

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Deyrolle, Henri, et Cie., place Denfert-Rochereau 20, Paris. *Ent., Coleopt., Lepid.* Vente et achat.*
Dollé, Maurice, rue Chenizelles 2, Laon. *Coleopt.**
Dollfus, Adrien, rue Pierre-Charron 35, Paris. *Crustacea, esp. Isopoda.**
Donckier de Donceel, Henri, 20 place Denfert-Rochereau, Paris. *Coleopt., Lepid., Exot., Phytophages du globe.**
Douliot, Henry, Préparateur de Bot. (Anat.), Mus. d'Hist. Nat., 61 rue de Buffon, Paris. *Bot.**
Dufour, Léon, Docteur ès sciences, à la Sorbonne, Paris. *Bot.**
Dubriot, L'abbé, Marne. *Bot.**
DuPlessis, Dr. G., Nice. *Coleopt.**
Duval, C., Chef de Cultures au laboratoire de Fontainbleau, Fontainbleau. *Bot.**
Estourbeillon (Comte Régis de L'), 24 rue du Drezen, à Vannes, (Mobilran, Inspecteur de la Soc. française d'Archéologie, Vice-Prés. de la Soc. Archéologique de Nantes, et de la Loire-Inférieure. *Arch.**
Euthyme, Le Frère, Inst. des Petits-Frères de Marie, St. Genis-Laval près Lyon. *Coleopt., Min., Geol., Arch., Con.**
Exibard, I., Preparateur-Naturaliste, Specialiste pour les Poissons, Rue et Quai des Ponchettes, 6, Nice. *Ichthyol.* C. du Poissons, Crustacés, Radiaires, Mollusques, montés ou dans l'alcool.*
Fabre, G., Inspecteur des Forêts, 26 rue Ménard, Nîmes. *Bot., Geol.**
Fages, Receveur de l'Enregistrement, Grenadi, H. Garonn. Ex.*
Fairmaire, Léon, rue du Dragon 21, Paris. *Coleopt., Hymenopt., Hemipt. of Europe.* C. Ex.*
Fauconnet, Mary-Louise, à la Frette, près Autun. *Coleopt., spec. Longicornes of the World.* C. Offers Coleopt. of Europe for Longicornes from all countries.*
Fayol, H., Dir. Gén. de la Soc. de Commentry, 76 boulevard Malesherbes Paris. *Geol., Palæo.**
Félissis-Rollin, Jules, rue de Rennes 106, bis, Paris. *Coleopt.**
Flahault, Charles, Prof. de Botanique à l'Université (Institut de Botanique), Montpellier. *Crypt. Bot., Vegetable Anat., Physiol.**
Fliche, P., Prof. à l'Ecole Forestière, 9 rue St. Dizier, Nancy. *Bot., Geol., Veg., Palæo.**
Flot, Docteur ès Sciences, Prof. au Lycée Charlemagne, Paris. *Bot.**
Fol, Prof. Dr. Herm., Nice. *Emb.**
Fornier, conseiller à la cour, Rennes, France. *Antiq.* C.*
Foucaud, Mem. de la Soc. Botanique de France, Jardin Botanique de la Marine à Rochefort (Charente-Inférieure.)*
Gadeau de Kerville, Henri, Rouen. *Zool.**
Gadeceau, Emile, rue des Hauts pavés 11, Nantes, Loire-Inférieure. *Bot.**
Gaillard, à Plouharnel, Morbihan, France. *Antiq.**
Gal Frères, Preparateurs Naturalistes, I Promenade du Cours, Nice. *Oiseaux, Poissons, Cephalopodes Coquilles, Reptiles, Crusacés, etc.* Achat et vente.*
Galibourg, Avocat, Saint Nazaire. *Biblog.**
Galichon, R., boulevard Haussmann 169, Paris. *Ent., esp. Lepid.**
Galissier, Prof. à l'Ecole Normale de Foix (Ariége). *Bot.**
Galliard, Léon Olphe, à Glendave (basses Pyrénées). *Orn.**
Gandoger, Arnas (Rhône). *Phaner. Bot.**
Gave, L'Abbé, Contamine sur Arve, Haute-Savoie. *Phænerogams.**
Gazagnaire, J., rue de la Clef 39, Paris. *Myriapoda.**
Gérard, à Beaume-les-Dames (Cote-d'Or). *Bot.**
Gérard, Cl. Alb., Conserv. des Hypothèques, à Baume les Dames (Doubs) *Bot.* C. Ex.*
Gerbe, à Bras, Dept. du Nat. H. *Ornith.**

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Giard, Alfred, Prof. à la Sorbonne et à l'Ecole Normale Supérieure, 45 rue d'Ulm, Paris. Dir. du laborat. de Zool. de Wimereux (Pas-de-Calais). *Annelides, Ascidies, et Crustacés, Champignons parasites des Insects.**

Giraudias, Louis, Receveur de l'Enregistrement, Foix (Ariège). *Bot.* C. Ex. Plants of western France in exchange for foreign and those of eastern Europe and the Mediterranean. Plantes des Pyrénées en échange de plantes de l'Europe oriental, de le Mediteranée et autres.*

Gomont, M., rue Cherche-Midi 16, Paris. *Bot., Algæ.**

Goossens, Th., boulevard Richard Lenoir III., Paris. *Lepid.**

Grandjean, route de Limoges 26, Moulins (Allier). *Ent., Coleopt.**

Grisard, Jules, Sec. de l'Revue des Sciences Naturelles appliquées, Soc. Nationale d'Acclimatation de France, rue de Lille 41, Paris. *Bot., Hort., Bibliog., Arch.**

Groult, Paul, naturaliste, 46 rue du Bac, Paris. *Zool., Geol., Bot., Anat., Microg., C. of Mammals, Birds, Fishes, Reptiles, Osteol., Insects, Coleopt., Lepid., Con., Fossils, Min., Rocks, Optique Mineralogique.**

Guède, J. P., rue St. Beuve, Paris. *Coleopt.**

Guépratte, L., Ave. Herbillon 63, St. Mandé, Seine. *Lepid.**

Guérin, Eugène, 4 rue Rambaud, Mâcon (Sâone-et-Loire). *Geol., Malacology, Praehist., Coleopt.* C. Ex.*

Guerne, Baron Jules Germain de, Zoölogist on board the yacht of H. H. the Prince of Monaco, rue de Tournon 6, Paris. *Zool., especially invertebrates.* C. Ex. Marine invert. in alcohol, deep sea and surface fauna, food of fishes and other marine animals.*

Guilliou, Paul, rue de Rosiers 6, Paris. *Ent.**

Haller, Dr. Albin, Prof. à la Faculté des Sciences, 7 rue de Lorraine, Nancy. *Chem.**

Hallez, Paul, Professeur à la Faculté des Sciences, rue de Valmy 9, Lille (Nord). *Zool.* C. Ex. Lower animals in alcohol, particularly Turbelleria, Nématodes, Bryozoaires.*

Hamard (abbé), à l'Oratoire, Rennes, France. *Geol., Arch., Préhist.* C.*

Hamonville, Baron Louis d', Conseiller-Général au Château de Manonville, par Noviant-aux-près, Meurthe-et-Moselle. *Orn., Ool., Con.* C. Buys or exchanges Trochilidæ in skin. Ex. birds' eggs of Europe and shells of France for exotics. *Spec. Cypselidæ, Hirrundinidæ., Paradiseidæ.**

Harmand, L'abbé, La Malgrange, près de Nancy, Meurthe-et-Moselle. *Phænerogams, Lichens.**

Harscouet de Keravel, G., rue La Fayette, Rennes. *Antiq.**

Haug, E., Chef des travaux pratiques au Laboratoire de la Sorbonne, 2 rue Antoine-Dubois, Paris. *Geol., Palæo.**

Héribaud, Frère, Clermont-Ferrand, Puy-de-Dôme. *Phænerogams.**

Héron-Royer, 10 rue de l'île, Amboise, (Indre-et-Loire). *Batraciens.**

Heulz, M., Place de la Bastille 6, Paris. *Lepid.**

Houry, Alphonse, Entomologiste, Mer (Loire-et-Cher). *Gen. Ent., Tax., Photog., Geol., Min., Orn., Herpetol., Con.* C. Ex. Coleopt., Lepid, Hymenop., Hemipt., Dipt., etc.*

Hovelacque, Maurice, Docteur ès Sciences Naturelles, rue des Sablons 88, (Passy) Paris. *Bot., Palæo., Geol., Min., Lithol.* C. Ex.*

Hyacinthe, Ribaut, rue St Jacques, Moissac (Tarn-et-Garonne). *Bot.* C. Ex. Correspondence solicited.*

Jackson, James, Librarian Société de Géographie, boulevard St. Germain 184, Paris.*

Jannel, Charles, Géologue de la Cie. des Chemins de fer de l'Est., à Paris.*

Jannettaz, Edouard, Maître de conférences à la Sorbonne, Aide naturaliste au Muséum d'histoire naturelle, rue Linné 9, Paris. *Min.**

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Janssen, Pierre Jules César, Astronome-physician, Membre de l'Institut de France et du Bureau de Longitude, Directeur de l'Observatoire d'Astronomie Physique de Paris, à Meudon (Seine-et-Oise). *Phys., Astronomy.**

Jouan, H., Cherbourg. *Zool., Anth., Bot.**

Jousset de Bellesme, Physiologiste, Directeur des Services de Pisciculture de la Ville de Paris, Château de St. Jean à Nogent-le-Rotron (Eure-et-Loir) France.*

Joyeux, C., rue de l'Est 13, Melun. *Coleopt.**

Jumelle, Docteur ès sciences, à la Sorbonne, Paris. *Bot.**

Kerviler, ingénieur en chef, Saint Nazaire, France. *Arch., Bibliog., Autog.**

Kilian, W., Doct.-ès-Sciences, Chargé de Cours à la Faculté des Sciences, 81 cours Sablons, Clermont Ferrand.*

Klincksieck, Paul, 52 rue des Ecoles, Paris. Librairie des Sciences, naturelles.*

Kœhler, R., rue de Metz 17, Nancy. *Emb., Echinoderms.**

Lacvivier, C. de, Proviseur du Lycée, Pau. *Geol.**

Lacroix, Adrien, r. Clèmence St. Laure 1, à Toulouse. *Orn.**

Ladouze, d'Alzac Marquis, Chateau de Borie, Petit par Périgueux, Dordogne. *Bot.**

Lambert, J., Procureur de la Republique, St. Menehould, Marne. *Echin.**

Landolt, Dr. Edmund, rue Volney 4, Paris. *Opthalmology.**

Lantier, Dr. Etienne, Tannay (Nièvre). Créateur de l'Ecole Antiseptique, Conservatrice, en 1870-71, à Paris à l'ambulance générale de l'administration des Postes. *Medicine, Surgery.* C. Ex.*

Laplanche, Maurice C. de, au Château de, Laplanche Luzy (Nièvre). *Agric., Myc., Ent., Coleopt.* C. Ex.*

Lapparrent, Prof. de, Catholic Univ., rue Tilsit 3, Paris. *Geol.**

Launay, L. de, Ingénieur au Corps des Mines, 2 rue Pigalle, Paris. *Geol., Lithol.**

Lavarde, Roset de, Château d'Entumia, en Paramé (Ille et Vilaine), près St. Malo. *Min., Mollusks, Palæo., Zool.**

Lavergne de Labarrière, r. Tentbout 47, à Paris. *Orn.**

Leberconte, Pharmacien, Place du Lieu, Rennes. *Geol.**

Le Bon, Dr. Gustave, Rue Vignon 29, Paris. *Anth. Hist.* C. Ex. for oriental antiquities.*

LeBreton, André, ex-Sec. de corr. de la soc. des Amis des Sc. Nat. de Rouen; Ancien Vice-Sec. de la session Mycologique á Paris, 1877, Membre de la soc. Botanique de France. Membre Fond. de la soc. Zoologique de France. Membre Fondateur de la soc. Mycologique de France, etc., etc., boulevard Cauchoise 43, Rouen (S. I.). *Mycologie* (principally de Normandie). Ex. et Achat d'ouvrages et de Mémoires sur la Mycologie générale et particulière.*

Le Châtelier, Ing. du Corp National des Mines, rue Notre Dame du Champs 73. *Phys., Chem.**

Leclerc du Sablon, Doct.-ès-Sciences, Aide-naturaliste au Mus. d'Hist. Nat., 1 rue Vauguelin, Paris. *Bot.**

LeMarchand, Augustin, Ingénieur, Petit Quevilly, Seine-Inférieure. *Geol.**

Lemetteil, Membre de la Société Zoologique de France à Bolbec (Seine-Inférieure. *Orn., Ool.**

LeMonnier, Prof., Rue de la Pépinnière, Nancy. *Bot.**

Lennier, G., Conservateur du Mus., Havre. *Geol., Palæo.**

Leprevost, Charles, rue des Journeaux 32, Paris. *Coleopt., Lepid* *

Le Riche, J. B., Instituteur à Gézaincourt, 19 rue Vasoesan, Amiens. (Somme). *Ent., Hymenop., Apidæ.**

Le Senechal, Conservateur dù Musee d'Hist. Nat., 6 rue St. Sauveur, Caen. *Zool., Crust.**

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Le Verrier, U., Ing. en chef des Mines, à Marseilles. *Min.*, *Geol.*, *Lithol.**

Lévèque, A., Prof., Rue de l'Avalasse 39, Rouen. *Macro-Lepid.*, *Micro-Lepid.*, *et chenilles preparées.**

Lhotte, H., 4 rue St. Andre, Rouen. *Macro-Lepid.*, *Micro-Lepid. et chenilles preparées.**

Lignier, Prof. de Bot. à la Fac. des Sc. de Caen (Calvados). *Bot.*, *Anat.**

Linder, Inspecteur Gén. des Mines, 38 rue du Luxembourg, Paris. *Geol.*, *Palæo.**

Lloyd, James, rue François-Bruneau 15, Nantes, Loire-Inférieure. *Bot.**

Lombard-Dumas, A., à Sommières (Gard). *Bot.*, *Geol.**

Longchamps, Prof. G. de, Prof. de Mathematiques Spéciales, Lyceum of Charlemagne, rue de l'Estrapade 15, Paris. *Math.**

Louis, Bureau Directeur du Museum à Nantes.*

Lyon-Médit, 11 rue St. Praxède, Avignon. *Geol.**

Macé, E., Rue du Puits 4, Vendome. *Coleopt.*, *Orthopt.**

Maës, E. Albert, r. des Landy 39 bis, à Clichy (Seine). *Orn.**

Magnien, Lucien, Prof. D'Agriculture du Departement de la Côte-d'Or, rue St.-Martin 2, Dijon. *Agric.**

Magnin, Ant., (*olim* Sec. Bot Soc., Lyon), Prof. à la Fac. des Sci., Besançon. *Bot. Lichens.**

Mailho, Curé du Faubourg à Tarascon, Ariège. Ex.*

Maillard, Gust., Mus. 2 A., Annecy (Savoie). *Geol.**

Maillard, Dr. Gustave, de la société Géologique suisse, conservateur et bibliothécaire du Musée d'Annecy (France), à Annecy (Hte. Savoie) France. *Min.*, *Geol.*, *Petrology*, *Prehist.*, *Arch.*, *Anth.*, *Numis.*, *Con.*, *Eth.*, *Bibliog.*, *Photog. Sigilligraphia.* C. Ex. Minerals, French and foreign; fossils, tertiary, cretaceous, jurassic, liassic; rocks.*

Maingonnat, naturaliste, rue Micher 37, Paris.*

Maisonneuve, Dr. Paul, Prof. de Zoologie à la faculté libre des Sciences, rue Volney 5, Angers.*

Malinvaud, E., Sec. Gén. de la Soc. Bot. de France, 8 rue Linne, Paris. *Bot.**

Mallard, E., Inspecteur Gèn. des Mines, Prof. à l'Ecole Nationale des Mines, 11 rue Médicis, Paris. *Min.**

Malvezin, J. E., route de Tulle, enclos du Bel-Air, à Aurillac. *Bot.**

Mangin, L., Doct.-es-Sciences, Prof. au Lycée Louis-le-Grand, 2 rue de la Sorbonne, Paris. *Bot.*, *Geol.**

Maquenne, Dr., aide-naturaliste au Muséum, rue Curier 57, Paris. *Chem.**

Marcailhou d'Aymeric, L'abbé, à Ax (Ariége) *Bot.**

Marçais, L'Abbé, Ed., 19 rue Ninau, Toulouse. *Bot.**

Marchand, Eugène, Chemist, Mem. de l'Académie de Médicine, Fécamp (Seine Inférieure). *Agric.*, *Chem.*, *Hyg*, *Phys.*, *Meteo.**

Marès, á Paris, rue des Sts. Pères 67. *Nat. H.**

Marey, Dr. Etienne J., boulevard Delessert 11, Paris. *Phys.**

Maricourt, Baron de, La Thierraye, par Souday (Loiret, Cher), *Arch.*, *Moll.*, *Orn.*, *Ool.*, *Lepid.*, *Coleopt.*, *Préhist. Relics*, *Postage Stamps.* Correspondence solicited. C. Ex.*

Maricourt, G. René du Mesnil de, Villemétrie près Senlis (Oise). *Anth.*, *Arch.* (prehistoric). C. Ex.*

Marion, A. F., Prof. à la Faculté des Sciences, Marseilles. *Zool.*, *Bot.*, *Veget.*, *Palæo.**

Marmottan, Dr., rue Desbordes-Valmore 31, Passy (Paris). *Ent.*: *Coleopt.*, *Bot.**

Mars, Prof. au Grand Seminaire, Laval. *Palæo.**

Martin, Rèné, au Blanc (Indre). *Orn.**

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Matheron, Ph., Ingénieur Civil, 86 boulevard Notre-Dame, Marseilles. *Geol., Palæo.**

Mégnin, Ancien Prés. Soc. Zool., 18 rue l'Hotel de Villa, Vincennes. *Entozoaires, Parasites.**

Ménard, St. Yves, vétérinaire docteur en médicine, Dir. de l'Institut de Vaccine animale; Prof. d'Hygiène industrielle et d'Histoire naturelle appliquée à l'Ecole centrale des Arts et Manufactures, rue Ballu 8, Paris.*

Ménager, à Beaufai, par Aube (Orne). *Bot.**

Méresse, Saint-Nazaire, *Arch.**

Meunier, St., Aide-Naturaliste au Mus. d'Hist. Nat., 7 boulevard St. Germain, Paris. *Geol., Lithol., Palæo.**

Michaud, Eugéne, ave. de la Gare, Montluçon, Allier. *Coleoptera.**

Miegemarque, St. Abit. par Nay, Basses Pyrénées. *Orn., Con.* C. Ex.*

Millot, Adolphe, rue Claude Bernard 23, Paris. *Coleopt., Lepid.**

Millot, Charles, rue des Quatre Eglises 28, Nancy. *Gen. Ent.**

Miot, Henri, Officier de l'Instruction Publique, Membre à vie de la Société Entomologique de France, Correspondant du Museé royal d'Histoire Naturelle de Belgique, Juge d'Instruction au tribunal civil de Beaune (Côte-d'Or). *Economic Ent., Crustacea, living and fossil mollusca.* C. Ex.*

Monaco, S. A. S., Le Prince Albert de, 16 rue St. Guillaume, Paris. *Meteo., Zool., Gen. Biol., Geog. Dist., Icth. Crustacea, Worms, Moll., Radiates, Sponges, Protozoa, Hydrography and Maritime Zool., Navigation, Deep sea sounding and dredging.* C. Ex.*

Monnot, Edouard, Lyceum, Troyes. *Coleopt.**

Morel, Officier de l'Inst. Publique, etc., Vitry-le François (Marne). C. *Arch., Numismatics.**

Morgan, Jacques de, Ing. Civil des Mines, Dir. Gen. des Mines, d'Akhtala (Caucase). Memb. des Soc. Géog., Géol., et Zool. de France, 7 avenue de Villars, Paris. *Geol., Palæo., Con.**

Motelay, Léonce, Membre de la Société Botanique de France, et Archiviste Bibliothécaire de la Soc. Linnéenne de Bordeaux, etc., etc., cours de Gourgue Bordeaux. *Bot.* C.*

Mouillefarine, Ed., rue Saint-Anne 46, Paris. *Bot.* Univ. Hebarium. C. Ex. in plants of all countries.*

Munier-Chalmas, Sous-Dir. du Laboratoire de Géol. à la Sorbonne, Maitre de Conférences à l'Ecole Normale Supérieure, 75, rue Notre-Dame des Champs, Paris. *Geol., Palæo.**

Naudin, Charles, Mem. Acad. Sci., Paris, Dir. du Laboratoire botanique de la Villa Thuret, Antibes (Var). *Phæn. Bot., Hort., Agric., Meteo., Gen. Biol., Philol., Arboriculture.* C.*

Nentien, Ingénieur au Corps des Mines, à Nice. *Geol.**

Nicaise, à Chalons-sur-Marne [Marne). *Arch.**

Nicolas, Dr. A., Prof. agrégé à la Faculté de médicine, Nancy (Meurthe-et-Moselle). *Anat., Histol.**

Nivoit, Prof. Ingénieur-en-Chef des Mines, 2 rue de la Planche, Paris. *Geol.**

Nodier, Dr., rue Saint-Uhel 2, Lorient. *Ent.: Coleopt.**

Noury, à Elbeuf, (Seine-Inf.) *Orn.**

Nugue, l'Abbé A., à Couptrain (Mayenne), Coleopt. Desires to know some one who will exchange American beetles (Coleopt.) for French ones. Writes both English and French.*

Oberreith, Maurice, rue Caumartin 24, Paris. *Coleopt.**

Oberthür, Charles, Rennes (Ille-et-Vilaine), *Ent., Lepid.* Les collections complétes de Boisdural, de Guenée, de Graslin, *de Constant. Bar*, de Bellier-de-la Chavignerie, de Chr. Ward. *Xa.* Publie les Etudes d'Entomologie, ouvrage, avec planches coloriées, exclusivement devoué aux Lépidoptéres; Exchange of Lepid. from all parts of the world.*

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Oberthür, René, Rennes (Ille-et-Vilaine). *Ent.: Coleopt.* C. Ex. Offre pour échange des Coleopt. de toutes les parties du monde. Les collections de Chaudoir (Carabicidæ), Steinheil, Rosenhauer, Thorey, Wehncke (Hydrocanthares), Mniszech von Harold, van Laensberge, Thompson, Gehin, etc. Publie *les Coleopterorum* novitates.*

Odier, Georges, Polytec. School, 3 avenue du Coq., Paris. *Coleopt., Hemipt., Lepid.**

Œhlert, D. P., Conservateur la Bibliotheque, et du Musés d'Histoire Naturelle, 2 rue de Bretagns. *Laval Palæo., Geol.**

Ollivry, G., La Chapelle sur Erdre, Loire-Inférieure. *Lepid.**

Omilair, André, rue de la Fraternité, Moulins (Allier). *Con.**

Pagnoul, Dir. de la Station Agronomique du Pas-de-Calais, Arras. *Agric., Chem., Meteo.**

Passy, H. Paul, Ed., rue Labordère 6, Neuilli-Sur-Seine. *Physiologie du langage.**

Patou, Jules, la Chapelle Moche (Orne). *Lepid.**

Patouillard, N., Pharmacien, Fontenay Sous Bois, près Paris. *Fungi (exotic).**

Paulin, Médecin-Vétérinaire, St. Dizier (Haute Marne). *Palæo.**

Pelletan, Dr. Jules, Prof. Histol. et Mic., Univ. de Paris, rue de Berne 17, Paris. Dir. du Journal de Micrographie. *Bot., Chem., Mic., Zool., Gen. Biol., Emb., Anat., Articulates, Gen. Ent., Crustacea, Worms, Moll., Radiates, Protozoa, Infusoria.* C. Ex.*

Pelletier, Horace, Madon près Blois. Officier d'academie Botanique. *Ent. Magnetisme Phytoque, Hypnotisme.**

Pérez, J., Prof. Zool. à la Faculté des Sci., rue Saubat 21, Bordeaux. *Hymen.**

Perthius, Laurant. Nantes. *Portraits.**

Petitainé, à Paris, rue St. Denis 273. *Nat. H.**

Piette, Ed., Juge au Tribunal Civil, 18 rue de la Préfecture, Angers. *Geol., Prehist., Arch.**

Poisson, Jules, aide naturaliste au Muséum, rue de Buffon 63, Paris. *Bot.**

Poli, H. de, Avenue Carnot 21, Paris. *Musci.**

Pouchet, Georges, Professeur d'Anat. comp. au Muséum d'Histoire Naturelle, 10 rue de l'Eperon, Boulevard St.-Germain, Paris. *Comparative Anatomy, Histology.**

Prenant, Dr. A., Chef des travaux anatomiques et histologiques à la Faculté de médicine, Nancy (Meurthe-et-Moselle). *Anat., Histol.**

Prulière, Naturaliste préparateur, rue Contellerie 4, Marseille. *Mam., Orn., Herpet., Ichth., Ent., Crustacea, Moll., Zoophytes Cephalopods, Lower Invert, Echinoderms.**

Rabaud, Etienne, Grande Rue der Moustier 60, Montauban. *Gen. Ent.**

Rabé, Maligny (Yonne). *Orn.**

Ragonot, Emile L., Banquier, quai de la Rapée 12, Paris. *Micro-lepidoptera of the World.* Will determine European micro-lepid. Desirous of receiving Phycidæ from all parts of the world for naming. Ex. Will be glad to receive publications on mic.*

Raspail, Xavier, à Gouvieux (Oise). *Ornith.**

Rataboul, Joseph, Moissac (Tarn-et-Garonne). *Diatoms., Geol., Min.* C. Ex. Correspondence solicited.*

Raveret-Wattel, rue des Acacias 20, Paris. *Pisciculture.**

Reclus, Prof. Dr., Prof. arégé à la faculté de médicine, rue des Saints-Pères 9, Paris.*

Reichel, Louis, rue de la Sourdière 32, Paris. *Coleopt.**

Reinwald, C., Libraire-Editeur, rue des Saints-Pères 15, Paris. *Publication of French Scientific Works, and records of Experimental and General Zoology.**

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Renauld, F., Commandant du Palais de Monaco, France. *Mosses.* C. Ex. for American Mosses.*

Renault, E., Place de la Préfecture, Chaumont, Haute Marne. *Lepid.**

Rérolle, Louis, Conservateur du Mus. d'Hist. Nat. Grenoble.*

Riondé, G., rue d'Enghien 46, Paris. *Coleopt.**

Rochebrune, Prof. de, aide naturaliste au Mus. d'Hist. Nat., Paris. *Zool.**

Rolland, G., Ingénieur au Corps des Mines, 49 ave. d'Antin, Paris. *Geol.**

Rossignol, L., rue de Bercy 151, Paris. *Coleopt., Lepid., Shells.* Has a large number of Coleopt. and Lepid. and Shells of Europe and Algeria which he wishes to ex. for those of the U. S. (South and West especially).*

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Rablh Rückhard, Dr. Hermann, Genthinerstr. 5*a*, Berlin. *Mic., Emb. and Anat. of Vert, Anth., Eth.**

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Reess, Prof. Dr. Max F. F., Univ., Erlangen. *Bot.**

Rehm, H., M.D., Ratisbonne. *Bot., Lichenology, Mycology, Ascomycetes,* for all Discomycetes, Editor Ascomyc. exs. fasc. XX. will be continued.*

Reiber, Ferdinand, 8 Kronenburgerstrasse, Strasburg. *Photog., Bibliog., Arch., Ent.: Coleopt., Hemipt.* C. Ex.*

Reiber, Ferdinand, Faubourg de Saverne 8, Strasburg (Alsace). *Coleopt, Hemipt.**

Reichenow, Dr. Anton, Kustos am. Kgl. Zool. Mus. und Schriftführer der Allgemeinen Deutschen Ornithol.-Gesellschaft zu Berlin, Invalidenstr. 43, Berlin, N. *Orn., Mammals, Herp.**

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Schieck, F. W., Halleschestr. 14, Berlin, S. W. 11. *Coleopt.**

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Schonfeldt, v. Oberstlieutenant, Funkerstr. 14, Weimar. *Coleopt. (Scarab. Japan Fauna).**

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Sprung, Dr. Adolf, Kön. Preussisch. Meteor. Institut., Berlin. *Meteo.**

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Sterzel, Dr. J. F., 1 Waisenstr., Chemnitz (Saxony). *Veg. Palæo., Bot., Geol.**

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Vogel, Prof. Dr. H. C., Dir. des Astrophysikalischen Observatoriums, Potsdam. *Coleopt., Ast. and Astro-physics.**

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Waldeyer, W., Prof. Anat. und Dir. des Anatomischen Inst. der Univ., 35 Lutherstr., Berlin, W. *Emb., Anat.**

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Wiedemann, Prof. Dr. Ernst Eilhard G., Universität, Erlangen. *Phys.**

Wiedemann, Heinrich Gustav, Geheimer Hofrath und Professor an der Universität, Leipsig. *Phys.**

Wilsdorf, Max, Sec. des Landw. Kreisvereins (vorm. Dir. der Landwirtschaftschule), Chemnitz. *Bot.**

Winkler, A., Geh. Kriegsrath a. D., Schillstr. 16, Berlin, W. *Bot., Morphology, Biology.* C.*

Winkler, Dr. Clemens, Prof. der Chem. an der K Sächs, Bergakademie, Freiberg, Sachsen. *Inorg. Chem., Met.**

Witt, Otto N., Ph.D., 33 Lindenallée, Westend, bei Berlin. *Diatoms, Chem., Mic., Photog.* C. Ex.*

Witte, Landesgerichts Præsident zu Neisse, Schlesien. *Lepid.* C.*

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Zincken, Carl Friedrich, Dörrienstr. 11, Leipzig. The geol. horizons of the fossil carbons; the fossil hydrocarbons.*

Zschock, Otto v., Liegnitz, Prussia. *Ent.: Coleopt.**

## GREECE.

Krinos, G. A., a. o. Prof. der pharmacentischen Chemie und Director des pharmacentisch chemischen Laboratoriums der Univ., Athens. *Chem., Syntagology.**

Stéphanos, Dr. C., Conserv. du Mus. Anth., Univ, Athens. *Med.**

Stéphanos, Cyparissos, Prof. Univ., Athens. *Math.**

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†efánsson, S., Adjunkt, Mödruvellir. *Bot.**

oroddsen, Th., Adjunkt, Reykjavik. *Geol.**

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Abetti, Prof. A., Padua. *Ast.**

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Baretti, Prof. Martino, R. Ist. Tecnico, Turin. *Geol.**

Baudi di Selve, Flaminio, Via Baretti 18, Turin. *Ent.: Coleopt.**

Beccari, Odoardo, Prof., R. Museo di Storia Nat., Via Romana 19, Florence. *Bot.**

Belli, Dr. Saverio, Asst. Lab. Bot., Univ., Torino. *Bot., Phanerog.* (*Trifolium Hieracium*).*

Bellotti, Cristoforo, Vice-Pres. della Societa italiana di Scienze naturali, residente presso il Museo Civico di Storia naturale in Milano, Via Breva 10, Milano. *Ittiologia.* Acquisti. Cambi.*

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Berlese, Dr. Augusto Napoleone, R. Inst. Bot. del l'Univ. Padova. *Fungi.**

Berruti, Giacinto, Ing., Dir. del R. Muses Industriale Italiano, Turin.*

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Bizzozero, Prof., Univ., Turin. *Med.**

Blaserna, Prof. Pietro, Rome. *Phys.**

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Bordiga, Dr. Oreste, Prof. of Agric., R. Scuola Superiore d'Agricoltura, Portici (near Naples).*

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Brioschi, Francesco, Dir. Inst. Tech., Milan. *Math.**

Brogi, Cav. Sigismondo, Naturaliste à la Royale Acad. des Fisiocritici, Piazza S. Agostino 5, Siena. *General Sciences.* C. Buys, sells, and exchanges Natural History objects, except Botanical specimens.*

Buscalioni, Dr. Luigi, Via S. Massimo 6, Turin. *Bot., Anat., Cell.**

Camerano, Dr. Aggregato Lorenzo, Assistente al. R. Museo Zoologico, Turin. *Zool.**

Canestrini, Riccardo, Dr. Nat. Hist., Padua. *Ent., Arach., Bacteriol.**

Cannizzaro, Prof. Stanislao, Senatore Istituto Chimico della Regia Università di Roma, Via Panisperna, Rome. *Chem.**

Capellini, Giovanni, Via Zamboni, 59, Bologna. *Palæo., Strat. Geol., Lithol.**

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Cattaneo, Giacomo, Dr. Nat. Sci., Socio dell'Istit. Lomb. e della Soc. Ital. d. sc. nat., Prof. ordinario d'Zool. e Anat. comp. della R. Univ. d'Cagliari. *Mic., Gen. Biol., Protozoa, Moll., Comp. Histol.**

Clerici, Enrico, Ingénieur, Via Sistina, 75 D. Roma. *Strat. Geol., Palæo.* (Moll. et Végét. tert. et quat.)*

Cocchi, Prof. Igino, Florence. *Geol.**

Comes, Dr. Orazio, Prof. R. Scuola Sup. Agric., Portici (near Napoli). *Veg. Pathol.**

Cossa, Alfonso, Prof., Dir. R. Scuola d'Applicazione per gl' Ingagneri, Turin. *Chem.**

Cristin, Dr. Almerico, Prof. of Zootechny, R. Scuola Superiore d'Agricoltura, Portici (near Naples).*

Curo, Antonio, Bergamo. *Lepid.**

D'Achiardi, Antonio, Prof. Univ., Pisa. *Min.**

D'Ancona, Cesare, Docteur ès Sciences, Prof. de Palæo. du R. Ist. di Studi Superiori di Firenze, Piazza d'Azeglio 14, Florence. *Palæo., Living Malacology.* Ex. for Mus., Fossils and L. & F. W. shells.*

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Johnston-Lavis, H. J., M.D., M.R.C.S., B. ès Sc., L.S.A., F.G.S. Consulting Physician and Surgeon to Messrs. Sir Wm. Armstrong, Mitchell & Co.'s Works, Pozzuoli. Palazzo, Caramanico, 7, Chiatamone, Naples. *Palæo.*, *Geol.*, *Min.*, *Chem.*, *Mic.*, *Meteo.*, *Gen. Biol.*, *Geog. Dist.* C. Ex.*

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Scarabelli, Giuseppe G. F., Imola. *Geol.*, *Palæo.**

Schiaparelli, Giovanni, Dir. R. Obs. of Brera, Milan. *Ast.**

Schiemenz, Dr. P., Stazione Zoologica, Napoli, Librarian. *Mollusca.**

Schiff, Hugo, Prof. Chem., Istituto di Studj Superiori, Univ. di Firenze, 3 Via Gino Capponi, Florence. *Chem.*, *Bibliog.* C. of Lab.*

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Stöcklin, Nicola, Via Goldoni, 10, Livorno. *Coleopt.**

Stoppani, Antonio, Prof. de Géologie à l'Institut des Etudes Supérieures et Directeur du Museo Civico à Milano. *Palæo.*, *Geol.*, *Terrestria Phys.* C.*

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Villari, Emilio, Via delle Belle Arti, Università, Bologna. *Phys.**

Villari, Pasquale, Senatore, Memb. del Cosiglio Superiore, Prof. ord. di Storia Moderna, Pres. della Sezione di Lettere, R. Istituto Superiore, Florence.*

Vimercati, Comte Professeur Guido, Directeur de la Revue Scientifique indus., Membre de la Société Entomologique Italienne, Lungarmo Zecca, Villino 2, Florence. *Ent.: Coleopt., Moll., Fossils et Minéraux de l'Ile d'Elbe.* C. Ex.*

Zecchini, Ing., Dir. della Stazione agraria, Asti. *Agric., Vine Culture.**

## MALTA.

Caruana dé Conti Gatto, Alfred, M. C. S., 116 Strada Brittannica, Valetta. *Bot., Phaen. Plants, Ent., Lepid., Coleopt., Moll.* L., F. W. & M. shells offered in ex. for plants, insects and *shells* esp. also for scientific books. C. Ex.*

Zoological Station (Stazione Zoologica) at Naples. *Marine Zool.* Prof. Anton Dohrn, Director; Salvatore Le Bianco, Conservator; Hermann Linden, Sec. Assistants, Dr. Hugo Eisig, *Annelids;* Dr. Wilh. Giesbrecht, *Crustacea;* Dr. Paul Mayer, *Anthropods;* Dr. F. Raffaele, *Pisces;* Dr. P. Schiemenz, *Molluscs;* Dr. Erwin Herter, *Physiol. Chem.;* Dr. Walter Kruse, *Bacteriol.;* Dr. Pio Mingazzini, *Tunicata.**

## NETHERLANDS.

Bakhuis-Roozeboom, Dr. H. W., Asst. Lab., Univ., Leiden. *Inorg. and Phys. Chem.**

Ballot, Dr. C. H. D. Buys, Director of the Royal Dutch Meteorological Institute, Utrecht. *Phys., Meteo.**

Bemmelen, A. A. van, Dir. der Rotterdamsche Diergaarde, Vice-Pres. der Nederlandsche Dierkundige Vereeniging, Rotterdam. *Gen. Zool.**

Bemmelen, Prof. Dr. J. M. van, Dir. Lab., Univ., Noordeinde 50, Leiden. *Inorg. Chem.**

Berg, F. J. van den, Ex-Prof. Polytechnic School, Delft. Address, Rotterdam, Mauritsweg 37. *Math.**

Bisschop van Tuinen, K., Lehrer a. Reichs Höhere Bürgerschule und das Gym., Zwolle. *Phæn. and Crypt. Bot., Lepid., Coleopt.* C. Ex.*

Bosscha, Prof. Dr. J., Sec. of Dutch Soc. Sci., Haarlem. *Phys.**

Bremer, Dr. G. J. W., Rotterdam. *Chem.**

Büttikofer, J., Conserv. of the Royal Mus. of Nat. Hist., Leiden. *Zool., Aves.**

Campert, Dr. J., Amsterdam. *Phys.**

Costerus, Dr. J. C., 10 Oosteinde, Amsterdam. *Bot.**

De Mann, Dr. J. G. Middleburg. *Crustacea, Lower Animals.**

Dibbits, Dr. H. C., Prof. Univ., Utrecht. *Inorg. Chem.**

Dorp, Dr. W. A. van, Amsterdam. *Chem.**

Fijnje, T. G. W., Haupt Ingenieur und Ministerial rath., Nijmegen.*

Franckenberg en Proschlitz, W. M. S. C. van, The Hague. *Math.**

Graaf, H. W. de, Noordeinde 123, The Hague. *Micro-Lepid. and Avesindi genæ.**

Grinwis, Dr. C. H. C., Prof. Univ., Utrecht. *Math., Phys.**

Guye, Dr. A. A. G., Prof. Univ., Amsterdam. *Otology.**

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Hagedoorn, A. D., Amsterdam. *Geog.**
Halbertsma, Dr T., Prof. Univ., Utrecht.*
Harmens, A. Wm., Analytical Chemist, Spuistraat 146, Amsterdam. *Chem., Mic.**
Hoff, Dr. J. H van't, Prof. Univ., Amsterdam. *Chem.**
Hoorweg, Dr. J. L., Utrecht. *Phys.**
Horst, Dr. R., Conservator Mus. Nat. Hist., Nieuwsteeg 2, Leiden. *Invert., esp. Worms.* Ex.*
Hülsmann, Dr. J. H. H, Amsterdam. *Chem.**
Jentink, Dr. F. A., Director of the Museum of Natural History, Leiden. *Zool., Mammalia.**
Julius, Dr. V. A., Prof. Univ. of the Royal Dutch Meteorological Institute, Utrecht. *Phys.**
Kapteijn, Dr. W., Prof. Univ., Utrecht. *Math.**
Kinker, J., Keisersgracht 580, Amsterdam. *Diatoms.* C. Ex.*
Korteweg, Prof. J. A., Amsterdam. *Chir.**
Loman, Dr. J. C. C., Leidschekade 96, Amsterdam. *Zool.**
Lorentz, Dr. H. A., Prof. Univ., Leiden. *Math., Phys.**
Middendorp, Dr. H. W., Prof. Univ., Groningen. *Pathol. Anat., Pathol. Gen.**
Moll, Dr. J. W., Schoolstr. 3, Utrecht. *Bot.**
Lorié, Dr., Privat-Docent, Geological Museum, Utrecht. *Geol. of the Netherlands.**
Mulder, Dr. E., Prof. Univ., Utrecht. *Org., Chem.**
Oudemans, Dr. C. A. J. A., Prof. Univ., Sec. of the Royal Academy of Sciences, Amsterdam. *Bot., Mycol.**
Oudemans, Dr. J. A. C., Dir. of Observatory, Prof. Univ., Utrecht. *Ast.**
Oudemans, Jsz. Dr. A. C., Dir. des Zoologischen Gartens zu Haag., Mitglied der Niederländischen Entomologischen Gesellschaft, der Niederl. Zool. Gesellschaft, und des Niederl. Naturwiss. Congresses, zu Haag.*
Ploeg, Dr. B. J. van der, Amsterdam. *Math.**
Rauwenhoff, Dr. N. W. P., Prof. Univ., Dir. Bot. Gardens, Utrecht. *Anat. and Physiol. of plants. Cryptogams.**
Ritsema, C. Czn., Mus. Nat. Hist., Rapenburg 94, Leiden. *Articulates.**
Ritzema Bos., Dr. J., Agricultural College, Wageningen. *Economic Zoology, Injurious Insects* and other lower animals, and plant diseases caused by them.*
Roos, P. F. van Hamel, Dr. Phil. Nat., Rédacteur en chef de la Revue Internationale des Falsifications, 146 Spuistraat, Amsterdam. *Chem., Mic.**
Rosenberg, Dr. Aem., Prof. Univ., Utrecht. *Anat.**
Saltet, R. H., Doct. Med., Amstel, 244, Amsterdam. *Hygiene.**
Sänger, Dr. W. M. H., Prof. Univ., Groningen.*
Schmeltz, J. D. E., Cur. Ethnog. Museum, Rédaction Intern. Archives für Ethnographie, Leiden. *Ethnog., Ethnol., Anth., Zool., Geog. Dist.**
Schols, Dr. Ch. M., Prof. Polytechnic College, Delft. *Math., Geod.**
Serrurier, L., Amsterdam. *Chem.**
Sprouck, Dr. C. H. H., Prof Univ., Utrecht. *Pathol.**
Stadt, Dr. H. van de, Dir. der Hoogere Burgerschool te Arnheim. *Meteo., Phys.**
Verster van Wulverhorst, F. A., Administrateur Mus. Nat. Hist., Rapenburg 40, Leiden.*
Veth, Dr. H. J., Boezemsingel 118, Rotterdam. *Coleopt.* C. Ex. European for N. American specimens.*
Went, Dr. F. A. F. C., The Hague. *Bot.**
Westermann, Dr. G. F., Director of the Royal Zool. Soc., "Natura Artis Magistra," Amsterdam. *Zool.**

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Wirtz, Dr. A. W. H , Director of the Veterinary College, and of the State Vaccine Establishment, Utrecht.*
Wulp, F. M. van der, Sec. Dutch Ent. Society, Trompstraat 154, The Hague. *Ent.: Dipt.* C. Ex.*
Wysman, Dr. H. P., Chemist, Presshefe Tabrik, Delft.*

## NORWAY.

Ammitzböll, Dr. Ivar., Christiana. *Ent.**
Appellöf, Dr. Ad , Conservator of the Mus. of Bergen. *Zool.**
Bjerknes, Prof. Dr. C. A., Universitas Regia Fredericiana, Gróune Gade 5, Christiania. *Math.**
Blehr, F. W., Dr. jur., Christiania. *Orn.**
Blytt, Axel, Prof. Bot., University Christiania. *Bot., Geog. Dist. of plants, Mycol., Geol. Time.**
Brunchorst, J., Dr. Phil., Curator of Mus., Dir. of "Naturen," Magazine of Nat. Sci., Bergen. *Bot., Physiol., Fungi.**
Collett, Robert, Prof. of Zoology, and Director of the Zoological Museum of the University, Christiania. *Vertebrates.**
Danielssen, Dr. Daniel Cornelius, Chief Physician, President of the Museum, Bergen. *Marine Invertebrates.* Ex. for the collection of the Museum.*
Foslie, M., Cur. Mus., Tromsö. *Algology.* C. Ex.*
Friele, Herman, Dir. of the Museum, Bergen. *Malacol.* C.*
Grieg, James, Conservator am Bergens Mus. *Zool.**
Guldberg, Prof. Dr. Cato M., Universitas Regia Fredericiana, Christiania. *Math.**
Gustafson, G. A., Cur. of Mus., Bergen. *Arch.**
Hagemann, Axel, Forstassist. Saltdalen pr. Bodö. *Arctic Coleoptera.* C.*
Landmark, A., Fischerei Inspector, Christiania. *Orn.**
Landmark, Rev. J. R., Flakstad. *Bot.* C. especially of Arctic Zone.*
Nansen, Fridtiof, Ph.D., Curator Zool. Mus., Univ., Christiania. *Zool., Histol.**
Norman, J. M., Forstmeister, Laurvig. *Arctic Norwegian phanerogamic Flora, Lichenology.* C. Ex.*
Pettersen, Karl, Dir. Mus., Tromsö. *Geol. of N. Norway.**
Schneider, Jacob, Sparre, Con. Mus., Tromsö. *Ent.: Arctic Lepid., Crustacea, Moll., Geog. Dist.* C.*
Thomassen, T. Ch., Bergen. *Norwegian Min. and Geol.**
Tryborn, Dr. Filip, Christiana. *Ichth.**
Wille, N., Dr., Prof. Agric. Inst., Aas pr. Kristiania. *Bot., esp. Algol., Anat., Physiol.**

## PORTUGAL.

Carvalho Monteiro, Antonio Augusto de, D.S., LL.D., Memb. of many Sci. Soc., rua do Alecrim 70, Lisbon. *Lepid of the globe.* C. Ex. Offers European, Brazilian, and African (from Portuguese colonies) spec. for those of Madagascar, India, China, Ceylon, Australia, N. Am., etc.*
Delgado, Joaquin Filippe-Nery, Directeur de la Commission des travaux géologiques, 113 Rua do Arco a Jesus, Lisbon. *Geol.**
Lima, Dr. W. de, Prof. de Géol. à l'Academie Polytechnique, 137, Cedofeita, Oporto. *Geol., Veg. Palæo.**

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# ROUMANIA.

Licherdopol, Prof. J. P. (Bura), Chaussée Dorobanti, Bucharest. *Geol., Bot.* C. Ex. fossils, mollusks and rocks of all countries.*

Montandon, Arnold L., Dir. de la Fabrique d'Equipements militaires, Filarete, Bucharest. *Gen. Ent., spec.: Hemipt., Heteropt.* Desires Hemiptera of all countries, determined or not, in exchange for Hemipt. Coleopt., shells collected in the Carpathians.*

# RUSSIA.

Alexeyeff, Pierre, Prof. Univ., Kiew. *Chem.* C. Ex.*

Beck, Dr. Alexander, Prof. am Baltischen Polytechnicum, Riga.*

Biel, Dr. Johannes, Handelshaus Louis Gercke, St. Petersburg. *Analyt. Chem.**

Bispen, Théodor, Moika 40, Qu. 41, St. Petersburg. *Lepid.**

Bobyleff, D. Bobylew, Prof. de Universität, St. Petersburg.*

Bramson, K. L., Gymnasial Prof., Ekaterinoslaw. *Lepid. (esp. Rhopalocera), Coleopt., Hymenopt.* Ex. and for sale.*

Büchner, Eugen, Conservator am Zool. Mus. der Kaiserlichen Acad. der Wissenschaften zu St. Petersburg. *Mammals.**

Bunge, Nicolaus, Prof. Technischen Chem. a. d. Univ., St. Vladimir, Kiew. *Chem.**

Driedricki, Harry, M.D., N. 23 Chlodna, Warsaw, Poland. *Dipt., Mycetophilidae.**

Erschoff, Nicolas, Wassili Ostrw. 15, Line 12, St. Petersburg. *Lepid.* C. Ex.*

Glasenapp, Maximilian, Prof. am Polytechnicum, Riga. *Chemische Technologie, Waarenkunde, Photog.**

Glassenapp, Serge von, Prof. der Astronomie, Dir. der Sternwarte der kais, Universität, St. Petersburg. *Ast.**

Goronowitsch, N., pract. Arzt, Kaiserliche Naturforschende Gesellschaft zu Moskau. *Zoomorphologie.**

Grimm, Dr. Oscar von, St. Petersburg, Redacteur der Russ. Fischerei Zeitung. *Ichth., Biol.**

Klossovsky, Alexander, ordentlich Prof., Univ., Odessa. *Phys. Geog.**

Lindemann, Eduard, Wissenschaftlicher Secretair der Sternwarte, Pulkowa, near St. Petersburg. *Ast., especially Photometric.**

Maximowicz, Charles John, Ord. Member Imp. Acad. and Botanist at Imperial Botanic Garden, St. Petersburg. *Bot., Phytography and Phytogeography, Flora of E. and Central Asia and Russia.* Dried plants from America and elsewhere, either for Academy or Botanic Gardens, bought or exchanged. U. S. Carices and Salices, authentically named. Offers in return dried plants from Russia, Siberia and Turkestan.*

Menschutkin, Nicolas, Prof. Chem., Kaiserliche Univ., St. Petersburg.*

Nolcken, Baron, Gen. Major a. D., Pichtendahl. Brief address: Riga, Thronfolger-Boulevard 6. *Macro- and Micro-Lepid.* C. Ex.*

Petersen, Wilhelm, Conservator am Mus., Reval (Estland). *Lepid. of the World.* C. Ex.*

Pohrt, Nicolai, Ingénieur, Chemiker, Versuchsstation am Polytechnikum zu Riga. *Chem.**

Schmidt, Christian, Chemiker, Versuchsstation am Polytechnikum zu Riga.*

Schnabl, Johann, M.D., N. 59 Krakauer Vorstadt, Warsaw, Poland. *Dipt. Brachycera.**

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Schwedoff, Dr. Theodor, Prof. Univ., Odessa. *Phys.**
Sintenis, F., Oberlehrer, Dorpat. *Lepid., Coleopt., Dipt.* C.*
Stelling, Edward, Director des Magnetisch-Meteorologischen Observatoriums in Irkutsk, Russia.*
Thome, Joh., Fredrikstad. *Orn.**
Thoms, Prof. George, Riga. *Agric. Chem., Physiol. Chem.**
Wassilieff, Prof. Alex., Univ. Kasan. *Math.**
Wild, Dr. Heinrich, Wirkl. Staatstrath, Mitglied der Academie der Wissenschaften, und Director des physikal Central-Observatoriums, St. Petersburg. *Physics, especially Meteorology and Terrestrial Magnetism.**
Woronin, Dr. M., St. Petersburg, Wasilia Ostroff, 9 Linie, Haus 2, Wohnung: 12.*

# SPAIN.

Adan de Yarza y Torre, Ramon, Ingeniero de Minas, Lequeitio. *Litologia, Micrografica.**
Almera, Jaime, Presbítero, Canönigo, Catedrático de Geología en el Seminario conciliar, calle de Sagristans, 3, 2.°, Barcelona.*
Arcimis, Augusto, Dir. del Inst. Central Meteorologico, Monte Esquinza, 7, 3.°, Madrid. *Meteo.**
Bofill, Arturo, Cortes, 297 y 299, 3.°, Barcelona. *Bot., Con., Fossils of the Miocene and Pliocene.**
Calderon y Arana, Salvador, Doctor en Ciencias, Catedrático de Historia natural de la Facultad de Ciencias, de la Universidad, Sevilla. *Min., Petrog.**
Comerma, Andrès A., Ingeniero de la Armada, Ferrol.*
De Mazarredo, Carlos, Ingeniero de Montes, Claudio Coello, 22, pral., Madrid. *Arach., Myriopoda.* C.*
Dosset, José Antonio, Dr. en Pharmacie, Zaragoza. *Diatoms, Photomicrography.**
Escalante, José, Doctor en Ciencias y Catedrático de Historia Natural en el Instituto de Santander, Mendez-Numez, 7.*
Fungairino, Eduardo, Orellana, 5, 3.°, Madrid. *Diatoms.**
Gomez Carrasco, Enrique, Postigo de San Martin, 9, 2.°, Madrid. *Ent. general.**
Iñarra y Echeverria, Fermin, Catedrático Supernumerario, por oposicion, de Ciencias fisico-quimicas y naturales en el Instituto del Cardenal Cisneros, C. Gravina, 14, 2.°, Madrid.*
Lopez Cepero, Adolfo, Chiclana (Cádiz). *Ent., Coleopteros de Europa.**
Medina y Ramos, Dr. Manuel, Goyencta, 27, Sevilla. *Gen. Ent., Hymenop.**
Mena, Rafael, Instituto Malaga. *Orn., Ool.**
Monjo y Monjo, Pedro, Conservador del Museo municipal, Mahon (Menorca). *Con.**
Orneta, Domingo de, Ingenieur de Mines, Malaga. *Infusoria, Photomicography.**
Pantel, José, S. J., Monasterio de Uclés, Tarancon (Cuenca). *Coleópteros, Ortópteros.**
Quiroga y Rodriguez, Francisco, Doctor en Ciencias y en Farmacia, Catedrático por oposicion el de Cristalografia en Museo de Ciencias naturales, calle de Goya, 35, 3.°, Madrid. *Min., Geol., Crystal.**
Reyes y Prosper, Eduardo, Dr. en Ciencias Naturales, San Bernardo 56, 2.°, derecha, Madrid. *Anatomia Comparada, Micrografia, Cristalografia, Dibujo cientifico.**

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Ribera Emilio, Doctor en Ciencias naturales, Catedrático de Historia naturel en el Instituto y autor de varios obras para la ensenanza en Espana y America. Plaza de la Aduana, Valencia.*

Rodriguez y Femenías, Juan J., C. de la Libertad, 46, Mahon (Menorca). *Algæ.**

Ruiz, Casaviella, Juan, Licenciado en Farmacia, Caparroso (Navarra). Botanica espec. plantas Navarras. *Tax., Orn.**

Singala, José Capdebon, Havina 28, Palma, Majorca (Balearic Isles). *Fauna Balearic.**

Tremols y Bórrell, Federico, Catedrático de Química inorganica aplicada de la Facultad de Farmacia en la Universidad, C. Princesa 1-3-2. °, Barcelona. *Bot.**

Truan, Alfred, Gijon, Dir. des Verreries de Gijon. *Diatoms, Photomicography.**

Vergara, Mariano, Avocat, ex. Deputé, ex-Prefect, Prof., Univ., Membre des Academies, de l'Histoire, des Beaux-Arts et de Jurisprudence, Madrid, Plaza de Santa Barbara. *Gen. Sci., Agric., Bibliog.**

# SWEDEN.

Ahlner, K., Ph.D., Lehrer, Wexiö. *Algology.**

Alén, J. E., Ph.D., Göteborg. *Chem.**

Angström, Dr. Knut, Laborator u. Director des Phys. Instituts der Hochschule in Stockholm. *Phys.**

Aurivillius, Carl W. S., Docent d. Univ., Phil. Dr., Upsala. *Zool., Crustacea.**

Blix, Magnus, Prof., M.D., Lund. *Physiol.**

Blomberg, Olof Gotthard, Pastor, Ekènsholm. *Lichen.* C. Ex.*

Bothén, C. O., Göteberg. *Zool., esp. Orn.* C. Ex.*

Cronvall, Axel Jul. A., Ph.D., Semin. Lehrer, Linköping. *Meteor.**

De Geer, Gerard, State Geologist, Geolog. Byrån, Stockholm. *Geol., Glac.**

Dusén, K. F., Ph. Dr., Oberlehrer der Naturgeschichte und Chemie am Gymnasium zu Kalmar. *Bot.* Sphagneceæ. C. Ex. fine specimens of Scandinavian Sphagnaceæ for others.*

Ekman, Fredrik Laurenz, Ph.D., Prof. Tekniska Högskolan, Stockholm. *Chem., Technol., Hydrography.**

Erdmann, Edvard, Geolog. Amanuens. d. geol. Mus., Stockholm. *Geol.* Coal Mines and Quaternary deposits.*

Ericson, T. B., Göteberg. *Coleopt.* C. Ex.*

Eriksson, Prof. Jacob, Ph.D., Prof., Dir. Agric. Bot. Stat., Albano, Stockholm. Editor of "Fung. paras. scand. exsice," and of "Collectio Cerealis." *Bot., Physiol., Fungi, Cornvarieties.* Ex.*

Eurenius, M. C. J., Ph.D., late Lektor, Dir. Zool. Mus., Malmö. *Zool., Arch.* C. Ex.*

Flink, Gust., Dealer in Scandinavian Min., Karlbergsvagen 12, 3 lr., Stockholm.*

Floderus, Manfred M., Ph.D., Rektor, Upsala. *Phys., Math., Ent., Bot.**

Forssell, Dr. K. B. J., Karlstad. *Lichens.* C. Ex. lichens of Sweden and Norway for those of other countries.*

Geologiska Föreningen, Stockholm, 1889. Pres., Dr. Th. Nordström; Sec., Dr. Eugène Svedmark.*

Goës, Axel, M.D., Kisa. *Prophylactic Medicine, Invert., Gen. Biol., Rhizopoda.**

Gyllencreutz, Dr. Richard, Atvidaberg. *Bot.**

Hasselberg, Dr. Bernhardt, Mitglied der R. Akademie der Wissenschaften, Stockholm. *Phys.**

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Hellbom, P. J., Ph.D , Lehrer, Orebro. *Bot., Lichens.**

Hildebrandt, Paul, Landskrona. *Bot., Cyperaceæ, Ferns, Mosses, Lichens.* C. Ex.*

Holm, Gerhard, Ph.D., Palæontologist to the Geol. Survey, Geolog. Byrån, Stockholm. *Geol., Palæo , esp. Cambrian and Silurian fossils.* C. Ex.*

Hulting, Johan, Ph.D., Lehrer, Norrköping. *Bot., Lichens.* C. Ex.*

Key-Aberg, Dr. Algot, Prof. Royal Caroline Med.-Chirurg. Inst., Stockholm. *Forensic Medicine.**

Kindberg, Nils Conrad, Ph.D., Lektor, Linköping. *Bot., Bryol., Zool.* C. Ex. Offers mosses and flowering Alpine plants.*

Kjellman, F. R., Ph.D., Prof., Upsala. *Bot., Algology and Arctic Phæn. Flora.* C. Ex. Scandinavian Marine Algæ. Desires esp. Fucoideæ.*

Klercker, Dr. Jolmaf, Docent Univ. of Stockholm, Stockholm. *Anat. and Physiol. Bot.**

Leche, Dr. Wilhelm, Prof. der Zoologie an der Hochschule, Stockholm. *Morphology of Vertebrata.* Desires Mammals in alcohol.*

Leffler, Johan A., Dr. Phil., Stockholm. *Bot. (Rosæ, Spergulariæ), Phæn. Plants.**

Lewin, Maria, Tegnersgatan 2, Stockholm. *Bot., esp. Algol.**

Ligneil, Emil, Göteborg. *Zool., esp. Orn.* C. Ex.*

Lindblad, Dr. Mathias Adolph, Stockholm. *Mycology.**

Lindberg, Gust., Kamrerare, Kommerse-Kollegium, Stockholm. *Bot., espec. Cacteæ.**

Lindgren, Erik, Dir. Roy. Agric. Acad., Exper. Garden, Experimentalfältet, Albano near Stockholm. *Bot., Hort.**

Lindhagen, Arvid., Ph.D., Stockholm. *Ast.**

Lindman, Carl Axel Magnus, Dr. Phil., Lector (Gymnasial Oberlehrer), Stockholm. *Bot., Phæn. Plants, Crypt. Plants, Gen. Biol., Morphol.**

Lindskog, Nat., Ph.D., Docent Mech., Upsala.*

Lindström, Axel Fr., State Geologist, Geolog. Survey of Sweden, Stockholm. *Geol.* C.*

Lindström, Gustaf, Asst. Mineralogical Dept., State Museum, Stockholm.*

Lindström, Gustaf, Prof., keeper of Palæo. Dept., State Museum, Stockholm.*

Linnarsson, E. J. S., Adjunct., Skofde. Cultivates and exchanges living plants from northern regions.*

Ljungström, Ernst, Dr., Doc. Univ., Lund. *Bot., Mycol.* Deutsche Corresp. erwünscht.*

Lundberg, Rudolf, Ph.D., Inspector of the fisheries in Sweden, except Bohustän, Stockholm. *Ichth., Invert. living in water.**

Lundbohm, Hjalmar, State Geologist, Stockholm, Geologiska byrån. *Geol., Tech.**

Lyttkens, August, Dir. Vorstand der Samenkontroll-Station, Nydala pr. Halmstad. *Phæn. Bot., Agric.* C. Ex. sceds, plants, and woods.*

Lyttkens, I. A., Ph.D., Norrkjöping. *Phonetics.**

Malm, Dr. Inspector of Sea-fisheries, Göteborg. *Ichth.**

Mittag-Leffler, Prof. Dr., Redacteur von Acta Mathematica, Stockholm, N. *Math.**

Nathorst, Alfred Gabriel, Ph.D., Prof., Acad. of Sciences, Stockholm. *Palæo.: Fossil plants.**

Neuman, L. M., Ph.D., Rektor, Ystad. *Bot., Phanerog. and Ferns.* C. Ex. Viola, Rubus, Potamogeton, Sparganium.*

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Nilsson, Henrik, Göteborg. *Zool., esp. Ool. and Coleopt.* C. Ex.*
Nordstedt, Dr. Otto, Keeper at the Bot. Mus. Univ., Lund, Editor of Botaniska Notiser. *Bot., Characeæ, Desmids, Freshwater Algæ.* C. Ex.*
Olbers, Alida, Nybrogatan, 49, Stockholm. *Anat., Bot.**
Olsson, P., Ph.D., Lehrer, Norrköping. *Bot., Mosses.**
Olsson, Dr. Peter, Lektor, Ostersund. *Zool., especially Pisces, Crust., Copepoda, and parasitic Vermes, Bot.* C.*
Phragmén, E., Sec. de la rédaction des *Acta mathematica*, Stockholm, N. *Math.**
Pihl, A., Direktor, Stockholm. *Bot., Hort.**
Sandin, Emil, Göteborg. *Zool., esp. Coleopt.* C. Ex. Desires Cicindela Carabus and Calosoma from the U. S. for European species.*
Schultz, Herman, Ph.D., Prof., late Dir. of Upsala Obs., Stockholm. *Ast.**
Sjögreen, Carl M., Hästholmen. *Ent.**
Söderström, Edla, Artillerigatan 6, Stockholm. *Bot. esp. Algol.**
Starbäck, Carl, Ph. Kand., Upsala. *Bot., Mycology.**
Strömfelt, H. Graf, Ph.D., Docent, Stockholm. *Bot., Algæ.**
Stuxberg, Dr. Anton, Keeper of the Zool. Dept., Museum, Gothenburg. *Zool., esp. Myriopoda, Crustacea.* Wishes to buy extra-European Reptiles and Batrachia. C. Ex.*
Tigerstedt, Robert, A. A., M.D., Prof. der Physiologie, Carol. Inst., Stockholm. *Physiol.**
Törnebohm, Dr. Alfred Elis, Practical Geologist, Lecturer on Min. and Geol., Technische Hochschule, Stockholm.*
Trybom, Filip, First Assistant of Fisheries, Stockholm. *Ichth., Ent., Carcinology.* C.*
Wiberg, Nils., Göteberg. *Coleopt.* C. Ex.*
Wijkander, August, Ph.D., Prof., Göteborg. *Phys., Meteo., Ast.**
Wirén, A., Dr. Ph., Docent der Zoologie, Upsala. *Zool., Anat., Annelida.**
Zetterlund, C. G., Vorstand der Agrikulturchemischen-Station und Samenkontroll-Antstalt zu Örebro. *Agric., Chem.**

# SWITZERLAND.

Autran, Eugène, Charmilles, Genève. *Hemipteres paléarctiques.**
Baltzer, Dr. A., Prof. Geol., Berne.*
Barbey, William, Valleyres sous Rances (Vaud). *Bot.* C.*
Bernoulli, Dr. Wilhelm, Schartlingasse 4, Basel. *Phæn. Bot., Ferns.* C. Ex. Desires correspondence.*
Bertsch, Prof. Hrch., Neukirch-Egnach. *Phys., Chem.**
Bertschinger, C., Mus. Geol., Lausanne. *Geol.**
Blanc, H., Prof. Dr., Lausanne. *Zool.**
Boeschenstein, A., Schaffhausen. *Coleopt.**
Bouvier, Dr. Louis, Geneva. *Bot.**
Calloni, Silvio, Prof. Nat. Hist., Pazallo près Lugano. *Bot., Anim. Dist.**
Cauderay, Jul., Lausanne. *Phys., Elect.**
Christ, Dr. H., rue St. Jacques 5, Basel. *Systematic and Geographical Botany, Atlantic flora, Carex, Pinus, Rosa, Filices, Entomology:* Rhopalocera and Zygænidæ of Central Europe.*
De Candolle, Dr. Casimir, rue Massot 11, Geneva. *Bot.**
Dufour, Dr. Phil., Station viticole, Lausanne.*
Duparc, L. Prof., Geneva. *Min.**
Favarger, A., Electrician, Neuchâtel.*
Forel, Dr. F. A., Prof. à l'Académie de Lausanne, Morges. *Phys. and Nat. Hist. of Lakes and Glaciers.**
Golliez, Henri, Lausanne. *Geol.**

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Guinet, Auguste, Route de Carouge 64, Plainpalais, near Geneva. *Bot.*, *Bryology*. C.*
Hipp, Dr. M., Fluntern, near Zürich. *Elect.**
Hofer, Isidor, Ph.D., Rector, Mellingen. *Moll.* C.*
Kenngott, Prof. Dr. Adolph, Univ., Zürich. *Min.**
Lang, A., Prof. Dr., Zürich. *Zool.**
Leutwein, Charles, Diemerswyl, kt. Berne. *Min.*, *Geol.**
Loementhal, R., Prof. Dr., Lausanne. *Histol. Embryol.**
Mousson, Prof. Alb., Zürich. *Phys.**
Odin, Dr. A. A., Prof. Acad., Lausanne. *Math.**
Palag, A., Prof. Lausanne. *Math.*, *Phys.**
Peyer, A. de, Engineer, Neuchâtel.*
Pictat, Alphonse, Cours des Castions, Geneva. *Orthopt.**
Romieux, Henry A., 27 Florissant, near Geneva. *Bot.* C. Ex. Phanerogams, especially Hieracium.*
Rothen, T., Ph.D., Berne. *Elect.**
Saussure, Henri de, Cité 24, Geneva. *Zool.*, *Eth.*, *Vert.*, *Anth.*, *Geol.*, *Volcanoes*, *Prehistorical Hydrology*, *Agric.**
Schenker, Erhard, Chef der eidg. Munitionscontrole, Thun. *Chem.**
Seitz, Dr. Johannes, Plattenstrasse 7, Hottingen-Zürich. *Medicine.**
Severin, A., Botanic Gardens, Berne. *Bot.**
Soret, Prof. Charles, Univ., rue Beauregard 6, Geneva. *Min.*, *Phys.**
Stadler, Dr. August, Zürich. *Phil.**
Standfuss, Max, Ph.D., Custos am Museum des Polytech., Zürich. *All kinds of Insects.* C. Ex.*
Von Schulthess, Rechberg d., M.D., Zürich. *Hymenopt*, *Vespidæ*, *Orthopt.**
Wullschlegel, Secundarlehrer, Aarburg. *Lepid.**
Wurstemberger, Dr. Arnold R. C. de, Zürich. *Geol.*, *Min.*, *Chem.*, *Phys.*, *Elect.* C.*
Zschokke, Fritz, Prof. Zool., Basel. *Zool.**

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# ASIA.

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Haly, P., Colombo Museum. *Gen. Zool.**

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Matthews, Dr. Percy W., LL.D., Shanghai. *Zool., Ethnog.**
McBride, F. E., M.D., Lin Ching, via Tien-tsin. *Min., Mic.* C. Ex.*

## INDIAN EMPIRE.

Atkinson, E. T., B.A., F.R.G.S., Accountant General Bengal, Calcutta. *Rhynch., Econ., Ent.* Ex.*
Alcock, A., Surg. Nat. Ind. Marine Sur. Steamer Investigator. *Fish.**
Barclay, A., Surg.-Maj. Sec. Surg.-Gen. and Sanitary Comm. Gov. India, Simla. *Fungi.**
Barker, Robert Arnold, M.D., Serampore (Bengal).*
Biddulph, Lt.-Col. John, Deola, Rajpootana. *Orn.* Will exchange Indian, and especially Himalayan birds, for specimens of *Fringillidæ* from other countries.*
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Bion, W. R., Registrar, Geol. Survey of India, Indian Mus. Calcutta.*
Blyth, T. R., Mus. Assist., Geol. Survey of India, Indian Mus., Calcutta.*
Bose, P. N., B.Sc., F.G.S., Lond., Geological Survey Office, Calcutta.*
Bowine, A. G. D., Sect. Prof. of Biol. Presidency College, Madras.*
Chapman, R. L., Librarian, Indian Museum, Calcutta.*
Cooke, Samuel, M.A., Assoc. M. Inst. C.E., F.I.C., F.G.S., F.R.G.S.I., Cor. M.R.H.S., Professor of Chemistry and Geology in the College of Science, Poona (Bombay). Ex of Min. desired.*
Cotes, E. C., 1st Asst. Indian Museum, Calcutta. *Gen. Ent., Economic Ent., Insects.**
Cunningham, D. D., M.D., Cur. Pathological Dept. Med. Coll. Mus., Calcutta.*
Datta, P. N., B.Sc. (Lond.), F.G.S., Geol. Survey of India, Calcutta.*
Davison, W., Cur. Raffles Mus. Singapore.*
Duthie, J. F., B.A., F.L.S, Dir. Botanical Dept. Northern India, Saharanpur (N. W. Prov.). *Bot.**
Fischer, Robert, B.L., F.R.S.L., F.A.S.L. (Barrister-at-Law, Lincoln's Inn), Madura, Madras. *Anth.**
Foote, R. B., Geological Survey of India, Calcutta.*
Foulkes, Rev. T., Retired Chaplain, Salem, Madras.*
Fraser, O. L., 2nd Asst. to the Supt., Indian Museum, Calcutta. *Vertebrates.**

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Giles, G., Surg., Hoshungabad, Central Provinces.*
Government Central Museum, Edgar Thurston, Superintendent, Madras. *Phæn., Bot., Zool., Anth., Eth., Mam., Ool., Lepid., Coleopt.* C. in Mus. Ex.*
Greisiger, Dr. Michael, Szepes-Béla. *Orn., Coleopt.**
Griesbach, C. L., C.I.E., F.G.S., Geological Survey of India, Geological Survey Office, Calcutta.*
Henderson, J. R., M.B., F.L.S., Prof. of Zoölogy, Christian College, Madras. *Crustacea* (*Paguridæ*), *Mollusks.* C. Is desirous of obtaining Paguridæ from any part of the world, and will give in ex. Indian crustacea or other zool. spec. Will also ex. Indian mollusca for Indian species.*
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Hughes, Theo. W. H., C.E., A.R.S.M., F.G.S., Geol. Survey of India, Calcutta.*
Hume, A. O., Rothney Castle, Simla. *Orn., Mammals.**
Indian Museum, James Wood-Mason, Superintendent, Calcutta. *Vert., Invert., Arch., Eth.**
Jones, E. J., A.R.S.M., Geol. Survey of India, Calcutta.*
King, Wm., B.A., D.Sc., F.G.S., Director, Geol. Survey of India, Calcutta. *Invert.**
Kipling, J. L., Cur. Lahore Mus., Lahore.*
Kishen, S., Sub-Asst. Surveyor, Geol. Survey of India, Indian Mus., Calcutta.*
Lake, P., B.A., Geol. Survey of India, Calcutta.*
La Touche, T. H. D., B.A., Geol. Survey of India, Calcutta.*
Marshall, Col. G. F. L., R.E., Secretary of the Agent of the Governor General, Mount Abu, Rajpootana. *Orn., Lepid.* (*Rhopalocera*).*
Middlemin, C. S., Geol. Survey Office, Calcutta.*
Mysore Government Museum, Supt., J. Cameron, F.L.S., Curator, B. Santappah, Bangalore.*
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Nurising, Row., Esq., A.V., F.R.A.S., F.R.G.S., Daba Gardens, Vizagatapam.*
Oldham, R. D., A.R.S.M., F.G.S., Geol. Survey of India, Indian Mus., Calcutta.*
Pedler, A., Prof. Chem. Presidency College, Calcutta, 5 Russel St., Calcutta.*
Phipson, H. W., Sec. Bombay Nat. Hist. Society, 6 Apollo St., Bombay. *Vert., Snakes.**
Pogson, Miss E. Isis, F. R. Met. Soc., Meteorological Reporter to the Gov. of Madras, Nungumbankum, Madras.*
Prain, D., M.A., M.B., Cur. Herbarium, R. Bot. Gardens, Seelpore, near Calcutta. *Bot.**
Ridley, H. N., Dir. of Gardens and Forests, Straits Settlement.*
Sclater, Wm. L., B.A., F.Z.S., Deputy Supt., Indian Museum, Calcutta. *Zool., Vert.**
Scully, J., Surg.-Major, Assay Master, Calcutta Mint. *Vert., Orn., Mam.**
Sterndale, R. A., Madras. *Vert.**
Waterhouse, Col. James, Surveyor-Gen.'s Office, Calcutta.*
Wood-Mason, James, Prof. Comp. Anat., Medical Coll., Supt. Indian Museum, Calcutta. *Gen. Biol., Invert. Anat., Articulates, Lepid., Orthopt., Arach., Crustacea.* C. Ex.*
Woodrow, George Marshall, Lecturer in Botany, College of Sci., Poona. *Bot.* C. Ex. Offers plants of the Deccan for those of other countries.*

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Boeddinghaus, C. E., Nagasaki. *Coleopt.*, *Lepid.*, *Shells*, *etc.* Collection of beetles and shells.*

Gulick, Rev. John T., Ph.D., Kioto. *Gen. Biol.*, *Geog. Dist.*, *Moll.* C. (shells) Ex. L. shells.*

Hikorokuro, Yoshida, Rigakushi, Ph.D , Asst. Prof. Chem., Science Coll., Imperial Univ., Tokio, Chemist to the Govt. Printing Bureau, Tokio, Member Soc. Chem. Industry, Fellow Chem. Soc. (London). Tokio.*

Ito, Shinrokuro, Rigakushi, 11 Hisakatamachi, Koishikawa, Tokio. *Chem.*, *Tech.**

Nakamura, Kiohei, Fukushima-ken. *Phys.*, *Math.**

## TURKEY (IN ASIA).

Gilman, Henry, U. S. Consul, Jerusalem, Palestine. *Bot.*, *Bibiliog.*, *Anth.* C.*

Porter, Prof. Harvey, B.A., Beyrout. *Arch.**

Post, Dr. George E., Prof. Syrian Protestant College, Beyrout, Syria. *Bot.* C.*

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Maffiottey La-Roche, Miguel, Luz 108, Santa Cruz de Teneriffe (Teneriffe).*

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Brady, J. H., M.A. (Oxon.), Department of Public Education, Cape Town. *Coleopt.* C. Ex. Coleopt. except European, wanted in ex.*

Gill, David, LL.D., F.R.S., F.R.A.S., H. M. Astronomer, Royal Obs., Cape of Good Hope.*

Lightfoot, Robert M., Bree St., Cape Town. *Coleopt.: esp. Cicin.*, *Carab.*, *Histor.* C. Ex.*

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Tidmarsh, Edwin, Botanic Gardens, Grahamstown. *Bot.**

Trimen, Roland, F.R.S., F.L.S., Cur. of South African Museum, Cape Town. *Ent.: Lepid.**

Volschenk, J. E. A., Riversdale. *Coleopt.* Ex. Cape Coleopt. for foreign.*

## CONGO.

Sims, A., M.B., C.M. (Aberd.), American Baptist Missionary Union, Leopoldville, Stanley Pool, The Upper Congo. *Med.**

## MAURITIUS.

Daruty de Grandpré, J. M. R. Albert, Supt. of Museum, Supt. of Botanical Gardens, Sec. of Royal Soc. of Arts and Sciences, Pres. of Soc. of Acclimation, Dir. of "Revue Agricole," Dir. of the "Microbiological Laboratory," Port Louis. *Nat. Sci.*, *Biol.*, *Bot.*, *Zool.* C. Ex.*

## NATAL.

Wood, J. Medley, A.L.S., Supt. Natal Bot. Gar., Durban. *Bot.: Ferns*, *Fungi.* C. Ex. Dried spec. of Natal plants.*

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## AUSTRALIA.

### NEW SOUTH WALES.

Agilley, J. Douglas, F.L.S., Australian Mus., Sydney. *Ichth.**
Anderson, William, Geological Surveyor, Dept. of Mines, Sydney.*
Brazier, Amelia Rossiter, Curaçoa House, 82 Windmill St., Sydney. *Con.* C.*
Brazier, Eleanor Rossiter, Curaçoa House, 82 Windmill St., Sydney. *Con.* C.*
Brazier, John, F.L.S., C.M.Z.S., Curaçoa House, 82 Windmill St., and Australian Museum, College St., Sydney. *Con., Eth., Numis., Bryozoa.**
Brazier, Miss Sophie, M.S., Curaçoa House, 82 Windmill St., Sydney. *Con., Postage Stamps.* C.*
Carne, Joseph E., Cur., Mining and Geological Mus., Dept. of Mines, Sydney.*
Edgeworth, David, S.W., B.A., F.G.S., Geological Surveyor, Dept. of Mines, Sydney.*
Ellis, Henry A., M.B., 3 Bayswater Houses, Double Bay, Sydney. *Etiology, &c.**
Etheridge, R., Jr., Palæontologist, Dept. of Mines and Australian Mus., Sydney.*
Haswell, W. A., M.A., D.Sc., Prof. of Biol., Univ., Sydney. *Zool.*
Moore, C., F.L.S., Dir. Botanic Gardens, Sydney. *Bot., Hort.**
Ramsay, Ed. P., LL.D., F.R.S.E., M.R.I.A., F.L.S., F.G.S., F.R.G.S., etc., Fellow Royal Imp. Zoological Bot. Soc., Vienna; Hon. Member Royal Soc., Tasmania; F.R.H.S., Eng.; M. R. Soc., Sydney; Hon. Sec. Linnæa Soc., N. S. W., etc.; Curator Australian Museum, Sydney, N. S. W. *Gen. Zool.**
Skuse, F. A. A., Linnean Hall, Elizabeth Bay, Sydney. *Dipt.**
Wright, Horatio George A., M.R.C.S., Eng., L.S.A., Lond., 4 York St., Wynyard Sq., Sydney. *Mic.**
Anderson, John, Port Lincoln. *Coleopt. of dist.**

### SOUTH AUSTRALIA.

Brown, H. Y. L., F.G.S., Govt. Geologist, Adelaide. *Geol.**
Fietz, A., Asst. Cur., Museum, Adelaide. *Biol., Fishes, Reptiles, Crustaceæ, Gen. Marine Fauna and Flora.**
Goyder, G. W., C.M.G., Surveyor Gen., Adelaide.*
Lawrie, Prof., M.A., B.Sc., Prof. of Agric. and Dir. Agric. Coll., Adelaide.*
Molineux, A., Kent Town. *Agric., Dairying.**
Poole, W. B., Adelaide. *Mic.**
'ennie, Prof. E. H., D.Sc., F.C.S., Univ., Adelaide. *Chem., Min.**
ley, E. C., M.D., Prof. Physiol., Adelaide.*
'ing, E. C., M.D., F.R.C.S., Univ., Adelaide. *Physiol., Anat.**

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Tepper, J. G. Otto, F.L.S., Norwood, or care of Messrs. E. S. Wigg & Son, Booksellers, Adelaide. *Geol., Bot., Ent.* C. Ex. plants and insects in special cases. The latter for the Public Museum only.*
Watson, Archibald, M.D., F.R.C.S., Prof. Anat., Adelaide.*
Whittell, H., M.D., F.R.M.S., Adelaide. *Mic.**

## QUEENSLAND.

Bailey, Frederick Manson, F.L.S., Colonial Botanist, Brisbane. *Bot.**
Bancroft, Joseph, M.D., Brisbane. *Diseases of Plants, Human Filaria, Contributions to Pharmacy from Queensland, History of Pituri and Dubosia, Respiration of Shore Plants, Rust Resisting Wheats.**
De Vis, C. W., M.A., Queensland Museum, Brisbane. Ex *
Gregory, Augustus C., Member of the Legislative Council, Brisbane.*
Gulliver, T. A., F.L.S., Elect. Telegraph Manager, Townsville, Northern Queensland. *Bot., Ferns, Agric., Plants, Zool., Orn., Ent., Coleopt., Hort.* C. Ex.*
Hedley, C., Queensland Mus., Brisbane. *Con., Moll.**
Jack, Robert Logan, Dir. Geol. Survey of Queensland, Townsville, North Queensland. *Palæo., Geol.* C.*
MacMahon, Philip, Curator Botanic Gardens, Brisbane.*
Plant, C. F., F.R.A.S., Charters Towers, North Queensland.*
Ringrose, R. C., Herberton, N. Queensland. *Geol., Min., Con.**
Saville-Kent, W., F.S.S., F.Z.S., Commissioner of Fisheries, Brisbane. Ex.*
Shirley, John, B.Sc., Sec. Royal Soc. of Queensland, Brighton Road, S. Brisbane. *Lichens.* C. Ex.*
Simmonds, J. H., Adelaide St., Brisbane. *Bot.* C. Ex.*
Wild, C. J., care of Dr. Bancroft, Brisbane. *Mosses, Hepaticæ.* C. Ex.*

## VICTORIA.

Campbell, A. J., H. M. Customs, Melbourne. *Ool.**
Hayter, Henry Heylyn, C.M.G., Officer of the French Order of Public Institutions, Chevalier of the Italian Order of the Crown, Government Statist of Victoria, Melbourne. *Statistical Research*, The *"Victorian Gem Book,"* and other statistical publications relating to Australia, in exchange for similar works respecting other countries.*
Langtree, C. W., Sec. H. M. Public Service Commissioner, Late Sec. for Mines and Water Supply, and Chief Mining Surveyor, Fellow and ex-Pres. of the Victoria Inst. of Surveyors and Engineers, Melbourne. *Geol., Strat., Phys., Min., Met., Elect., Meteo., Ast.* C. Ex.*
Mueller, Baron Ferd von, M.D., Ph.D., K.C.M.G., F.R.S., F.L.S., F.G.S., F.C.S., etc., Melbourne. *Bot., Rural industries, Chem., Palæo.**

# JAVA.

Janse, J. M., Dr., Botanical Garden, Buitenzorg. *Bot., Physiology, Anat., Pathol., Biol.**
Valeton, Dr. Th., Passoeroean. *Mic., Olacineæ.**

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Lyons, A. B., M.D., F.C.S., Govt. Chemist of the Hawaiian Islands and Prof. of Nat. Sciences in Oahu College, Honolulu, H. I. *Min., Bot., Con.* C. Ex. ferns.*

4274 Van Slyke, Lucius L., A.M., Ph.D., Government Chemist of the Hawaiian Islands and Prof. of Chemistry in Oahu College, Honolulu, H.I *

4424 Westervelt, Rev. W. D., Honolulu. *Min., Arch.**

## NEW ZEALAND.

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Abbott, Francis, Curator Botanic Gardens, Hobart Town.*

Beddome, Capt. Chas. E., Torquay. *Moll., also Postage Stamps.* C. Ex.*

Hinsby, George Kilmer, Pharmaceutical Chemist, St. Helen's, George's Bay. *Bot., Crypt. Plants, Ferns, Algæ, Chem., Orn., Ool., Coleopterous Insects, Moll.* C. Ex.*

Montgomery, Alexander, M.A., Geological Surveyor and Inspector of Mines, Launceston.*

Simson, Augustus, Launceston. *Ent., Bot., Con., Min., &c.**

Stephens, Thomas, M.A., F.G.S., Dir. of Education, Hobart. *Geol.**

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Atkinson, C. T., Ledbetter, Fayette Co., Texas. *Orn., Ool.* Ex.*

Bandelier, Adolph F., Santa Fe, New Mexico. *Bibliog., Gen. Biol., Geog. Dist., Anth., Arch., Eth., Ethnog.**

Beck, James, 218 Walnut St., Holyoke, Mass. *Diatoms, Mic., Invert. Anat., Ent.: Hymenop., Lepid., Dipt., Coleopt., Hemipt., Orthopt., Neuropt., Arach., Myriop., Crustacea.**

Bohn, J. G., 324 West 5th St., Lebanon, Pa. *Birds, Min., Insects.**

Ellis, Zenas H., Fair Haven, Rutland Co, Vt. *Bot., Min., Arch., Philol., Crus., Moll., Rad.**

Fry, T. M., 908 East Genesee St., Syracuse, N. Y. *Bot., Phæn. and Crypt. Plants, Ferns, Palæo.* C. Ex.*

Morrison, Col. James H., Adjunct Professor Virginia Military Institute, Lexington, Va. *Chem., Min., Geol.**

## PART II.

Damin, Prof. Narcis, Buccari, Austro-Hungary. *Arach.**

De Marbaix, Prof. Alphonse. Louvain, Belgium. *Zootomy.**

Gude, G. K, 5 Giesbach Road, Upper Holloway, London, Eng. *Phænogamous Plants, Mic., Hymenop., Moll., Gen Biol.* C. Ex.*

Hult, R., Dr. Phil., Univ. Docent of Geog. Bot., Helsingfors, Pres. Geogr. Soc. of Finland. *Phys. Geog., Geol. and Bot.* Ex. maps, photogr, minerals, dried plants and rare materials of Finland for those of other countries, for the mus. of the Geogr. Soc.*

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Kœlbel, Karl, Custosam k. k. naturalist, Hofmuseum, Wasagasse 28, Wien, Austro-Hungary. *Zool.* Ex. Crustacea.*

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Miyabe, Kingo, Sapporo Agric. College, Sapporo, Japan. *Bot: Phæn. Plants, Fungi, Algæ.* Ex.*

Petersen, O. G., Botanical Mus., Copenhagen, Denmark. *Bot., Anat., Scitamineæ.**

Raine, Thomas, Oologist, Leopold St., Leeds, Eng. British Collection.*

Raciborski, M., Bot. Gardens, Cracovia, Austro-Hungary. *Veg. Palæo.**

Sasclehner, A., Budapest, Andrassy ut 3, Austro-Hungary. C. Postage stamps.*



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Schmidt, Anton, Bürgerschuldirector, Haida, Bohemia, Austro-Hungary. *Mosses, Moll., Coleopt.* Ex.*

Szajnocha, Dr. L., Prof. Geol. and Palæo., Universitat, Cracovia, Austro-Hungary. *Geol., Veg. Palæo.**

Trautschold, Dr. H., Kronprinzenstrasse 42, Breslau, Germany. *Geol., Palæo., Min.**

Ward, Henry L., Osteologist, Comision Geografico-exploradra, Tacubaya D. F., Mexico. *Zool.**

Willeno, Victor, Assist. à l'Univ. de Gand, Belgium. Desires especially living reptiles.*

Wolfinau, Wolf v., Prof. Realschule, Leitmeritz, Bohemia, Austro-Hungary. *Min., Geol.**

Zoufal, Prof. Vladimir, Ostrawa, Moravia, Austro-Hungary. *Lepid., Coleopt.* C. Ex.*

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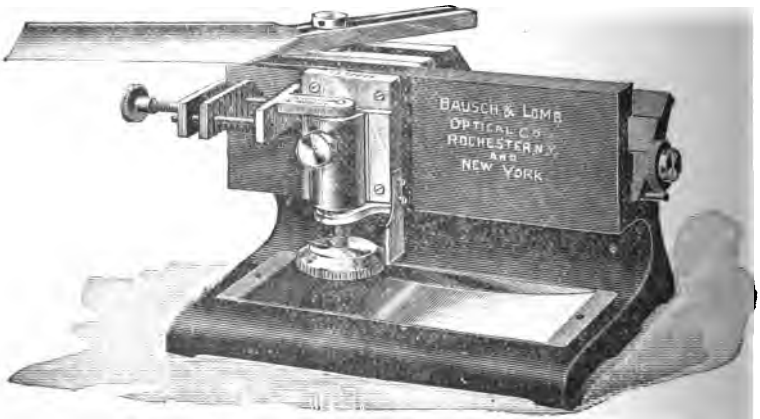


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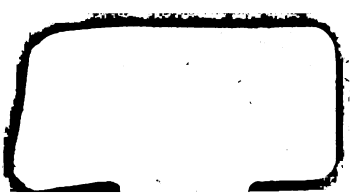

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